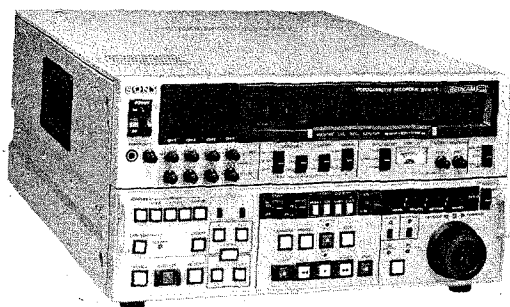


SONY

VIDEOCASSETTE RECORDER

BVW-75



BETACAM SP™

MAINTENANCE MANUAL

Volume 2 6th Edition (Revised 11)

Serial No. 11104 and Higher (JAPAN)

Serial No. 13028 and Higher (USA CANADA)

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目 次

TABLE OF CONTENTS

Volume 1

1. 設置
2. テクニカルインフォメーション
3. 定期点検および保守
4. サービスインフォメーション
5. 主要部品の交換
6. リンクおよび駆動系調整
7. トルク調整
8. テープ走行調整
9. 電源システムコントロール調整
10. サーボ系調整
11. オーディオ/タイムコード調整
12. ビデオ系調整
13. TBC調整
14. ビデオ総合調整

Volume 1

1. INSTALLATION
2. TECHNICAL INFORMATION
3. PERIODIC CHECK AND MAINTENANCE
4. SERVICE INFORMATION
5. REPLACEMENT OF MAJOR PARTS
6. LINK AND DRIVE SYSTEM ALIGNMENT
7. TORQUE ALIGNMENT
8. TAPE RUN ALIGNMENT
9. POWER AND CONTROL SYSTEM ALIGNMENT
10. SERVO SYSTEM ALIGNMENT
11. AUDIO/TIME CODE ALIGNMENT
12. VIDEO SYSTEM ALIGNMENT
13. TBC ALIGNMENT
14. OVERALL VIDEO ALIGNMENT

Volume 2

15. BLOCK DIAGRAM

Overall.....	15-5
Y/C Separator.....	15-12
Decoder.....	15-15
R-Y/B-Y Compressor.....	
Y/C Modulator.....	15-19
Y/C REC/PB Amplifier.....	15-23
Y/C Demodulator.....	15-27
A/D Converter.....	15-31
Write Clock Generator.....	
Main Memory.....	15-35
D/A Converter.....	
Y Digital Noise Reduction.....	
REF Signal/Timing Generator.....	15-39
Encoder.....	15-42
Video Output.....	15-45
AGC for AFM.....	
LNG Audio.....	15-48
AFM Audio.....	15-54
Audio Level Meter.....	15-57
Microcomputer Servo System.....	15-60
Reel Servo.....	15-63
Drum/Capstan Servo.....	15-66
System Control.....	15-69
I/O Expander.....	15-73
Time Code Reader/Generator.....	
Time Base Impact Error Corrector.....	
LTC REC/PB Amplifier.....	15-77
Dynamic Tracking.....	15-80

16. SCHEMATIC DIAGRAM

Circuit Configuration.....	16-1
----------------------------	------

VIDEO/TBC

DEC-27 (1/2).....	16-6
DEC-27 (2/2).....	16-12
DEC-42 (1/5).....	16-18
DEC-42 (2/5).....	16-25
DUS-273.....	
DEC-42 (3/5).....	16-32
DEC-42 (4/5).....	16-39
DEC-42 (5/5).....	16-46
CF-36.....	

MD-46 (1/2).....	16-53
DUS-272Y.....	
MD-46 (2/2).....	16-61
DUS-272C.....	
RP-29 (Y).....	16-68
RP-29 (C).....	16-74
DM-56 (1/2).....	16-81
DM-56 (2/2).....	16-89
TBC-7 (1/3).....	16-96
TBC-7 (2/3).....	16-103
TBC-7 (3/3).....	16-110
TBC-8 (1/3).....	16-117
TBC-8 (2/3).....	16-124
TBC-8 (3/3).....	16-131
NR-25.....	
TBC-9 (1/2).....	16-139
TBC-9 (2/2).....	16-147
EN-48 (1/3).....	16-155
EN-48 (2/3).....	16-163
EN-48 (3/3).....	16-171
VO-18 (1/3).....	16-179
VO-18 (2/3).....	16-187
VO-18 (3/3).....	
DUS-270.....	
RE-34.....	16-194
CP-103.....	
CP-101 (1/2) (2/2).....	16-200

AUDIO

BF-28 (1/3).....	16-206
VR-42.....	
BF-28 (2/3).....	16-212
BF-28 (3/3).....	16-217
AU-75.....	16-223
AU-76 (1/3).....	16-230
AU-76 (2/3).....	16-236
AU-76 (3/3).....	16-241
AFM-1.....	16-247
FL-61.....	
CP-111 (1/4).....	16-255(a)
CP-113.....	
CP-111 (2/4).....	16-263(a)
CP-113.....	
CP-111 (3/4).....	16-271(a)
CP-113.....	

CP-111 (4/4)	16-279(a)
HP-33	
VR-62	
CP-161A (1/4)	16-255(b)
CP-161A (2/4)	16-263(b)
CP-161A (3/4)	16-271(b)
CP-161A (4/4)	16-279(b)
HP-33	
VR-62	
SW-144	16-287
VR-61	
DP-72	
DP-74	
DP-73	

SERVO

SV-82 (1/2)	16-294
SV-82 (2/2)	16-300
SV-83 (1/2)	16-306
SV-83 (2/2)	16-312
SV-84 (1/2)	16-318
SV-84 (2/2)	16-324
RE-28	16-330
PTC-20	
PTC-21	
PTC-23	
PTC-36	
DR-56	
RE-36	16-337
RM-40	
DE-15	
SE-57	
PTC-31	
DT-13	16-344
DT-14 (1/2)	16-350
DT-14 (2/2)	16-356
DUS-282	
DT-15	16-361

SYSTEM CONTROL

SY-61 (1/3)	16-367
SY-61 (2/3)	16-374
DUS-570	
SY-61 (3/3)	16-381
RM-48	
SY-64 (1/6)	16-389

SY-64 (2/6)	16-396
SY-64 (3/6)	16-402
SY-64 (4/6)	16-408
SY-64 (5/6)	16-415
SY-64 (6/6)	
PD-35	16-422
PTC-15	
CL-14	
CL-24	
PC-33	
PC-41	
PC-47	
CCM-2	
HC-11	

CONTROL PANEL

KY-96	16-429
KY-107	
KY-108	
DP-71	
PT-9	
PTC-32	

TIME CODE

TC-40 (1/3)	16-436
TC-40 (2/3)	16-443
TC-40 (3/3)	16-449

POWER SUPPLY

AC-96	16-455
M1	
M2	
C1	
C2	

FRAME

MB-116 (1/4)	16-463
MB-116 (2/4)	16-471
MB-116 (3/4)	16-479
MB-116 (4/4)	16-486
MB-117	16-492
FRAME (1/5)	16-498
FRAME (2/5)	16-501
FRAME (3/5)	16-504
FRAME (4/5)	16-507
FRAME (5/5)	16-510

17. PRINTED WIRING BOARDS

Circuit Configuration 17-1

VIDEO/TBC

DEC-27 17-3
 DEC-42 17-9
 CF-36 17-17
 DUS-273 17-21
 MD-46 17-21
 DUS-272Y/272C 17-29
 RP-29 (Y) 17-29
 RP-29 (C) 17-35
 DM-56 17-43
 TBC-7 17-51
 TBC-8 17-51
 TBC-9 17-59
 NR-25 17-67
 EN-48 17-73
 VO-18 17-81
 DUS-270 17-81
 RE-34 17-87
 CP-103 17-87
 CP-101 17-87

AUDIO

BF-28 17-93
 VR-42 17-99
 AU-75 17-105
 AU-76 17-111
 AFM-1 17-117(a)
 FL-61 17-117(a)
 CP-111 17-117(b)
 CP-113 17-117(b)
 HP-33 17-117(b)
 VR-62 17-125
 CP-161A 17-125
 HP-33 17-125
 VR-62 17-125
 SW-144 17-125
 VR-61 17-125
 DP-72 17-125
 DP-74 17-125
 DP-73 17-125

SERVO

SV-82/82A 17-133
 SV-83/83A/83B 17-139
 SV-84 17-145
 RE-28 17-151
 PTC-20 17-157
 PTC-21 17-157
 PTC-23 17-157
 PTC-36 17-157
 DR-56 17-157
 RE-36 17-165
 RM-40 17-171
 DE-15 17-171
 SE-57 17-171
 PTC-31 17-171
 TR-18 17-171
 DT-13 17-171
 DT-14 17-171
 DT-15 17-171
 DUS-282 17-171

SYSTEM CONTROL

SY-61/61A/61B/61C 17-179
 DUS-570 17-187
 SY-64 17-195
 PD-35 17-195
 PTC-15 17-195
 RM-48 17-195
 CL-14 17-195
 CL-24 17-195
 CCM-2 17-195
 PC-33 17-195
 PC-41 17-195
 PC-47 17-195
 HC-11 17-195

CONTROL PANEL

KY-96/96A	17-201
KY-107	
KY-108	
PTC-32	
DP-71	
PT-9	

TIME CODE

TC-40	17-209
-------	--------

POWER SUPPLY

AC-96	17-215
M1	
M2	
C1	
C2	

FRAME

MB-116/116A/116B/116C	17-223
MB-117	

18. SEMICONDUCTOR ELECTRODES

19. SPARE PARTS AND FIXTURE

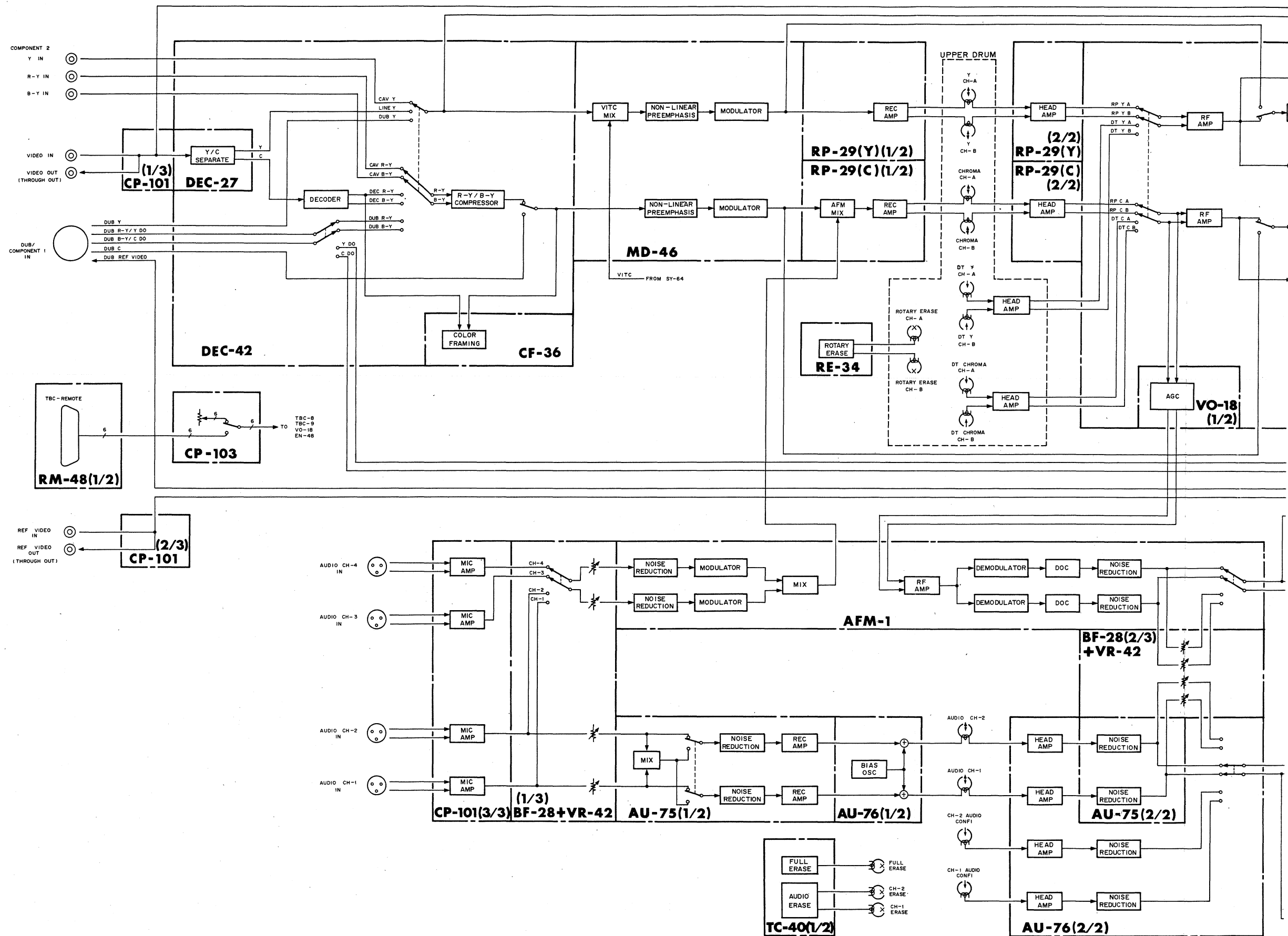
19-1. Parts Information	19-1
19-2. Exploded View	19-1
Supply Side Reel Chassis	19-3
Take-up Side Reel Chassis	19-5
Head Drum, Stationary Heads and	
Tape Guides Block	19-7
Threading Ring Block	19-10
T Drawer Arm Block	19-13
Supply Tension Regulator Block	19-15
Pinch Press Mechanism Block	19-17
Function Control Chassis Block	19-20
Level Control Chassis Block	19-23
Cassette-up Compartment	19-26
Connector Panel Block	19-29
Switching Regulator Block	19-32
Printed Circuit Block (1)	19-35
Printed Circuit Block (2)	19-38
Ornamental Panel Block	19-41
19-3. Electrical Parts List	19-47
19-4. Packing Material and	
Accessories (Supplied)	19-126
19-5. Fixture (Option)	19-126

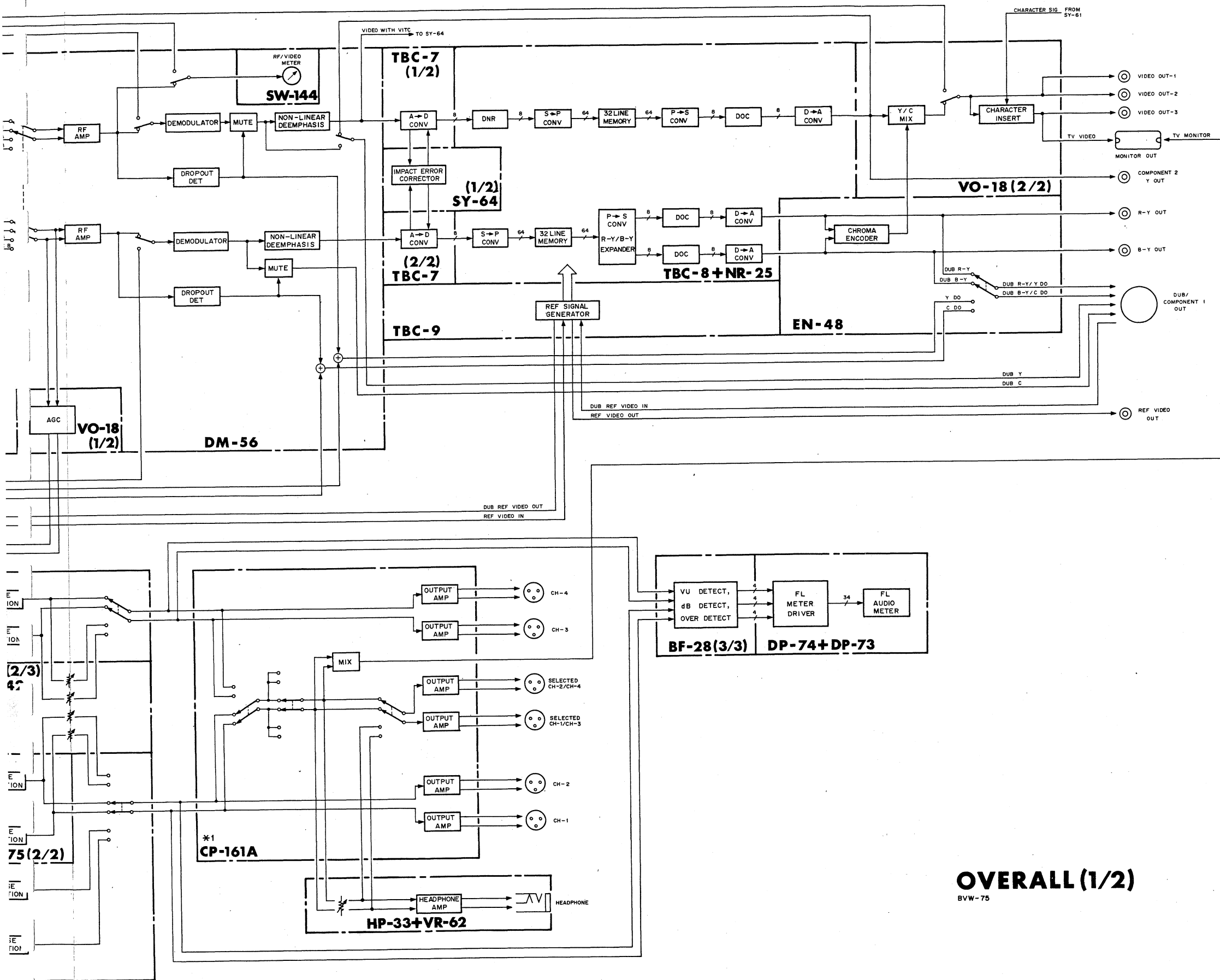
SECTION 15
BLOCK DIAGRAM

OVERALL

NOTE

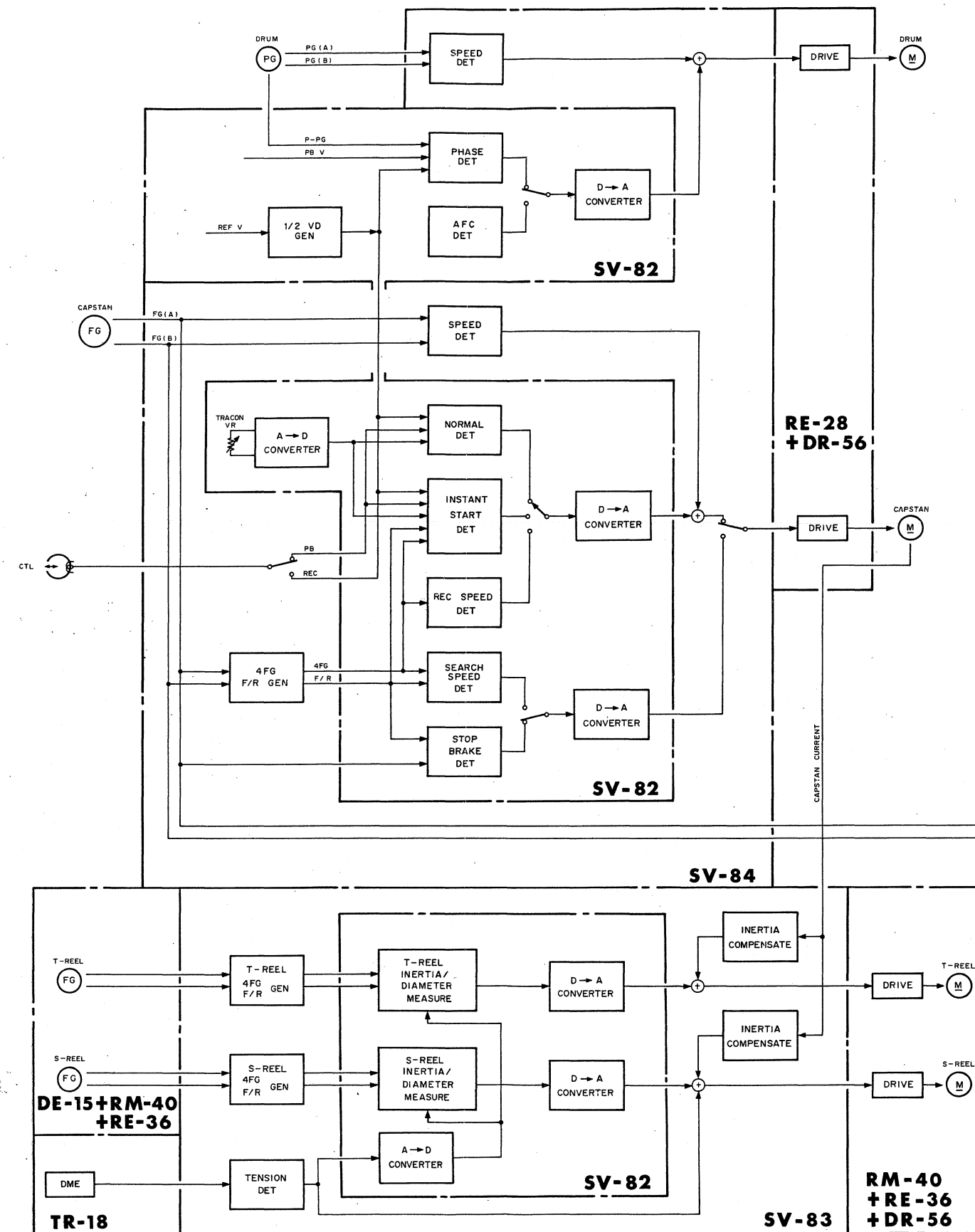
MARK	CHANGE INFORMATION	SERIAL NO.
*1	CP-111+CP-113 → CP-161A	UC: S/N 16570 ~ J: S/N 13024 ~



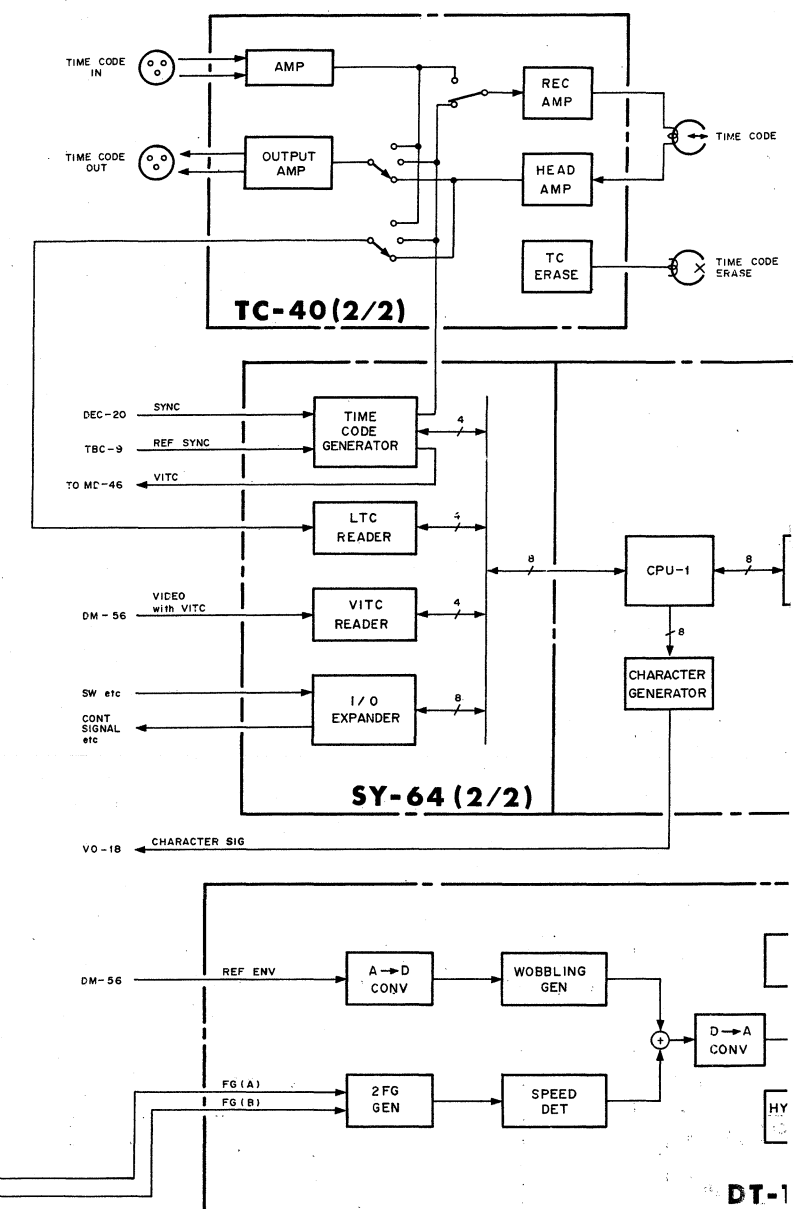


OVERALL (1/2)
BVW-75

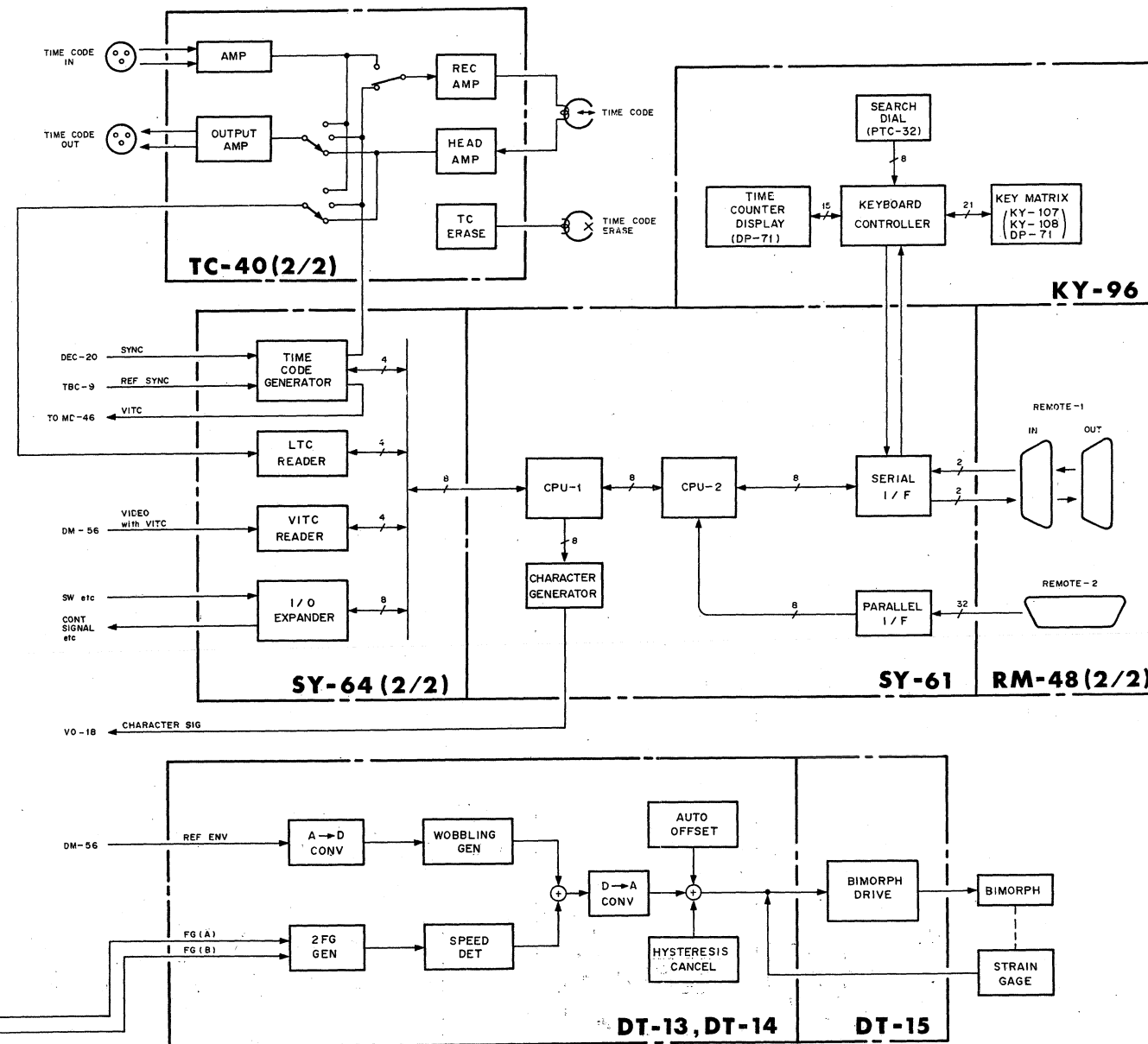
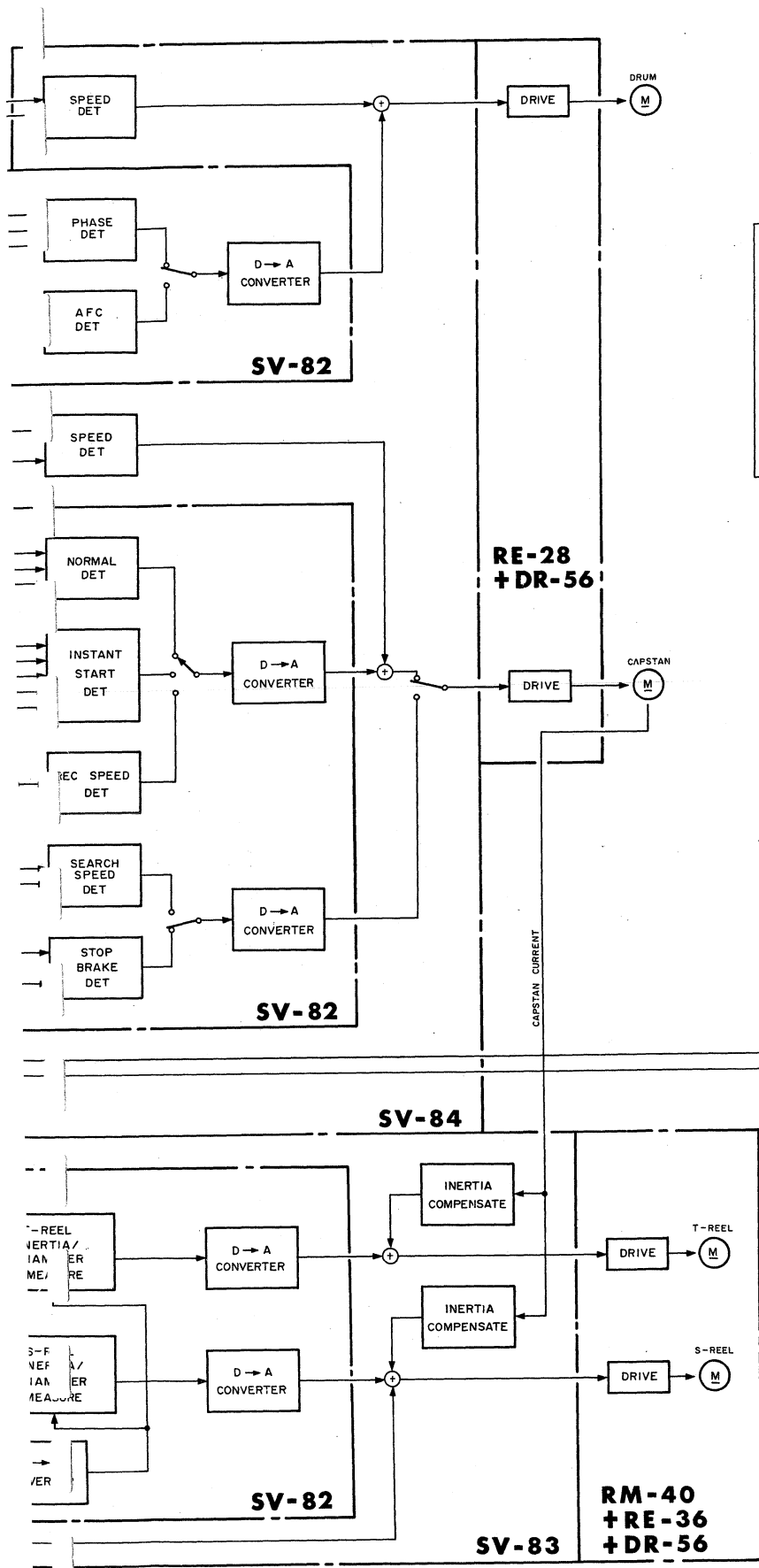
OVERALL



OVERALL OVERALL



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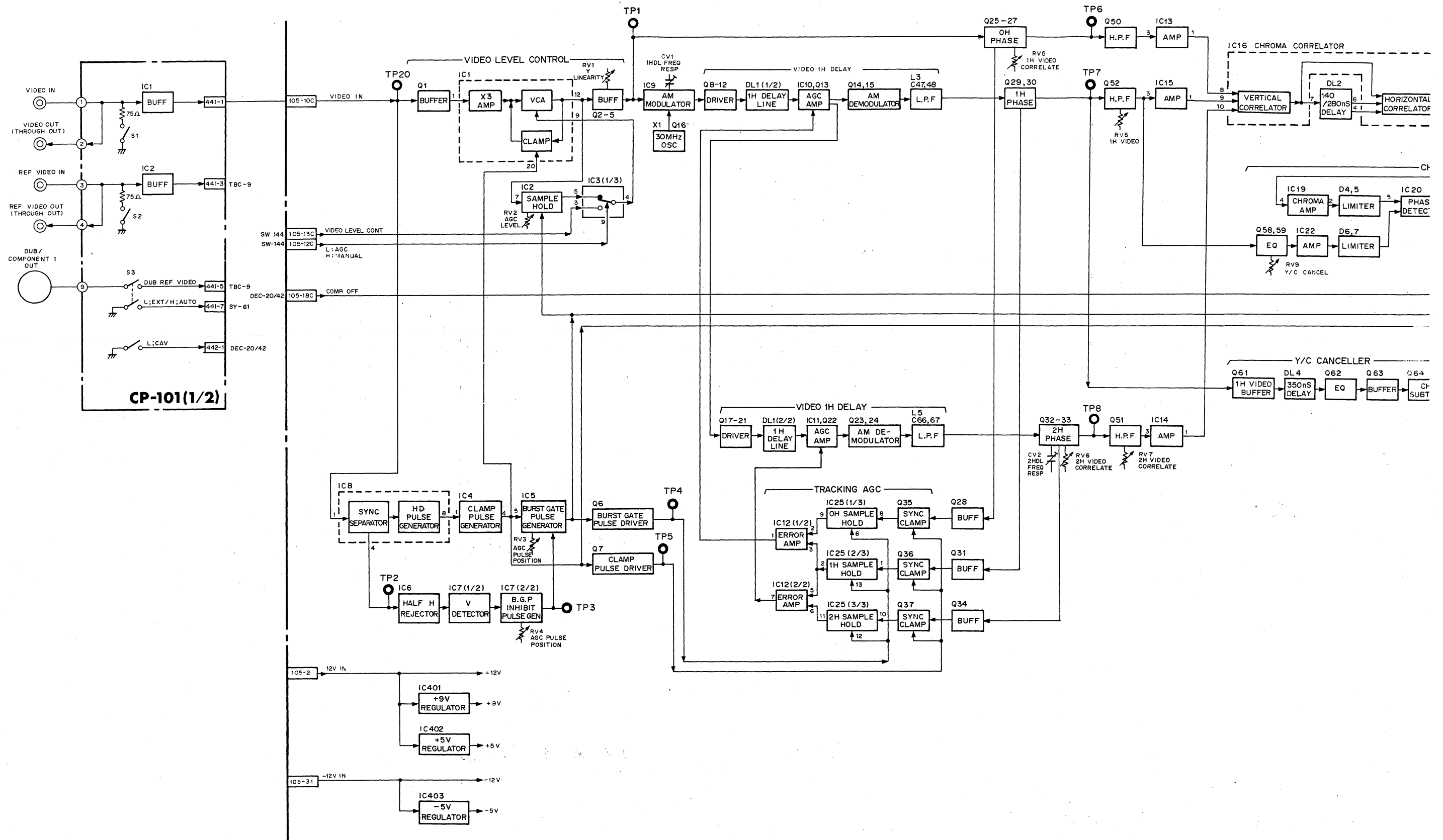
Note on Block Diagram

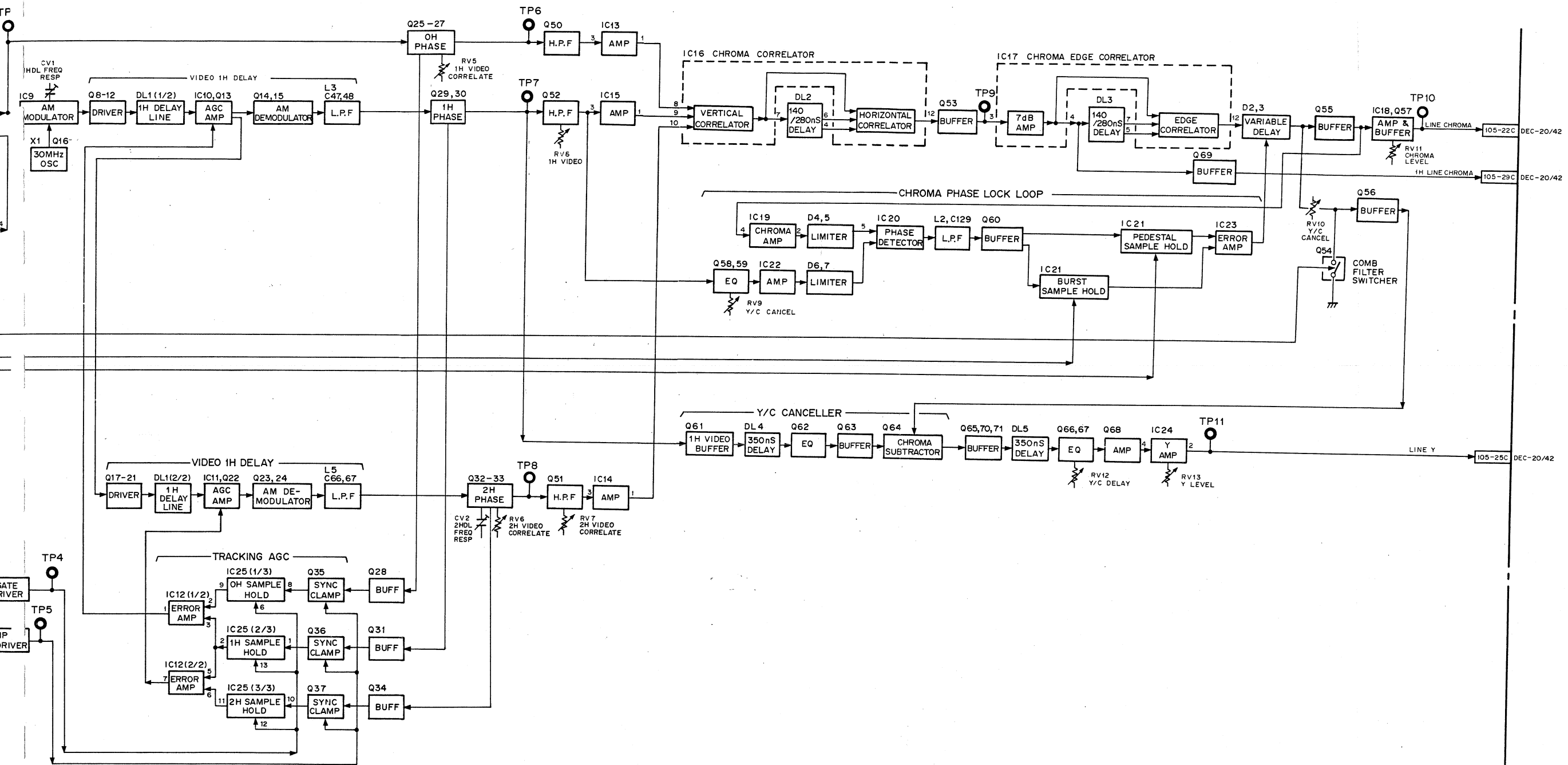
See the overall block diagram for the connector destination's board name in each board's block diagram.

OVERALL (2/2)

BVW-75

Y/C SEPARATOR

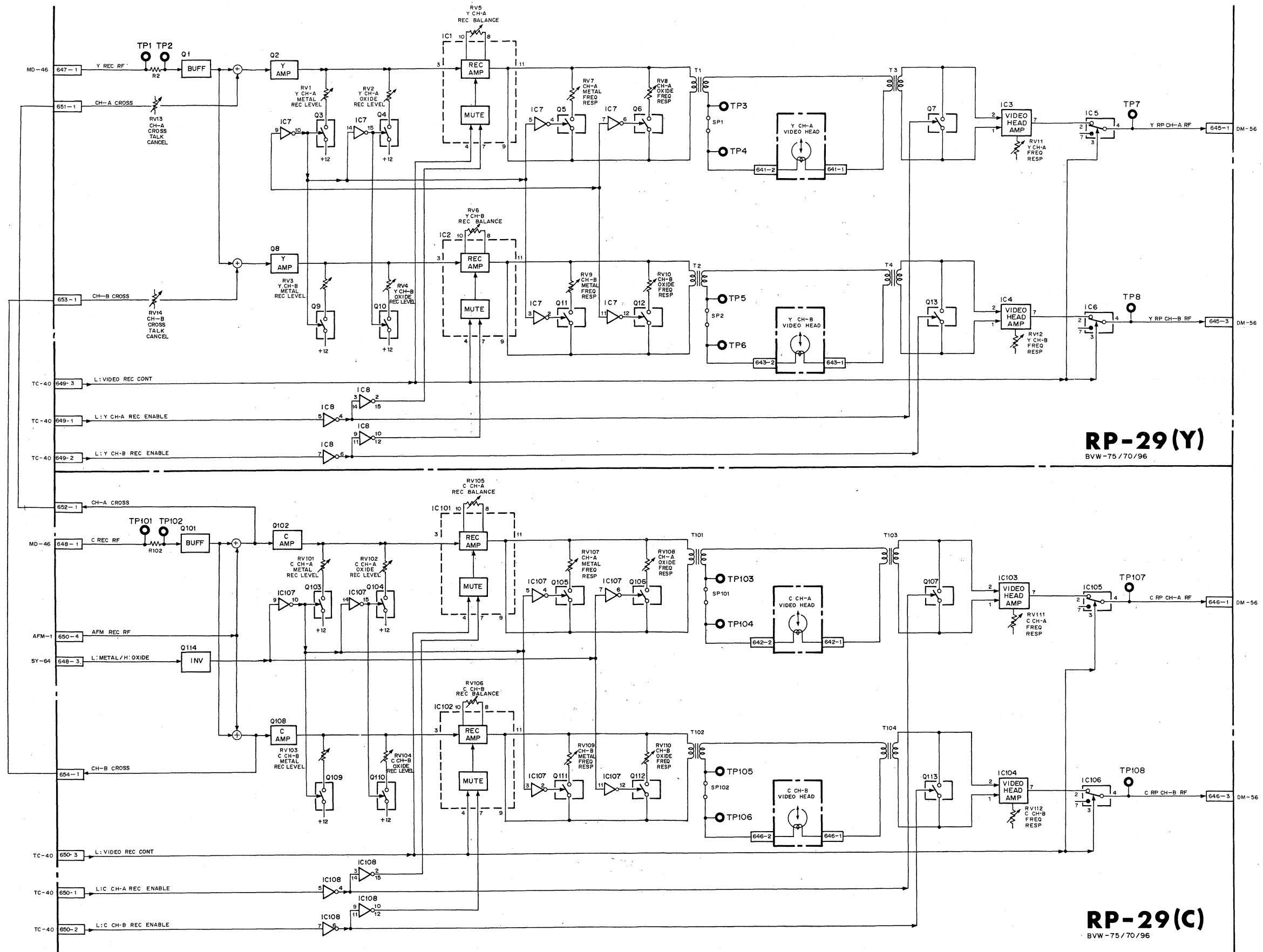




DEC-27

BVW-75
BVW-70
BVW-96

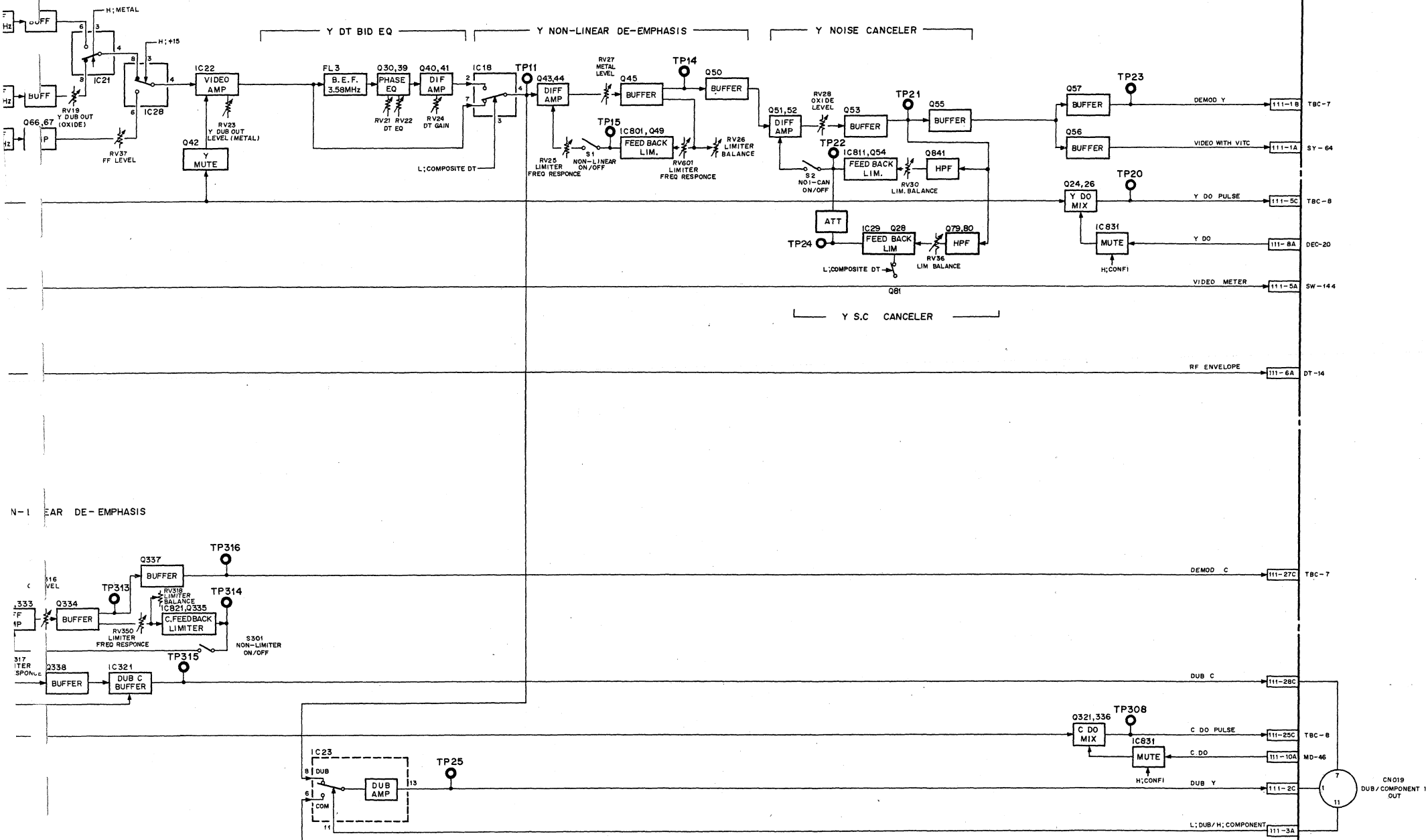
Y/C REC/PB AMPLIFIER



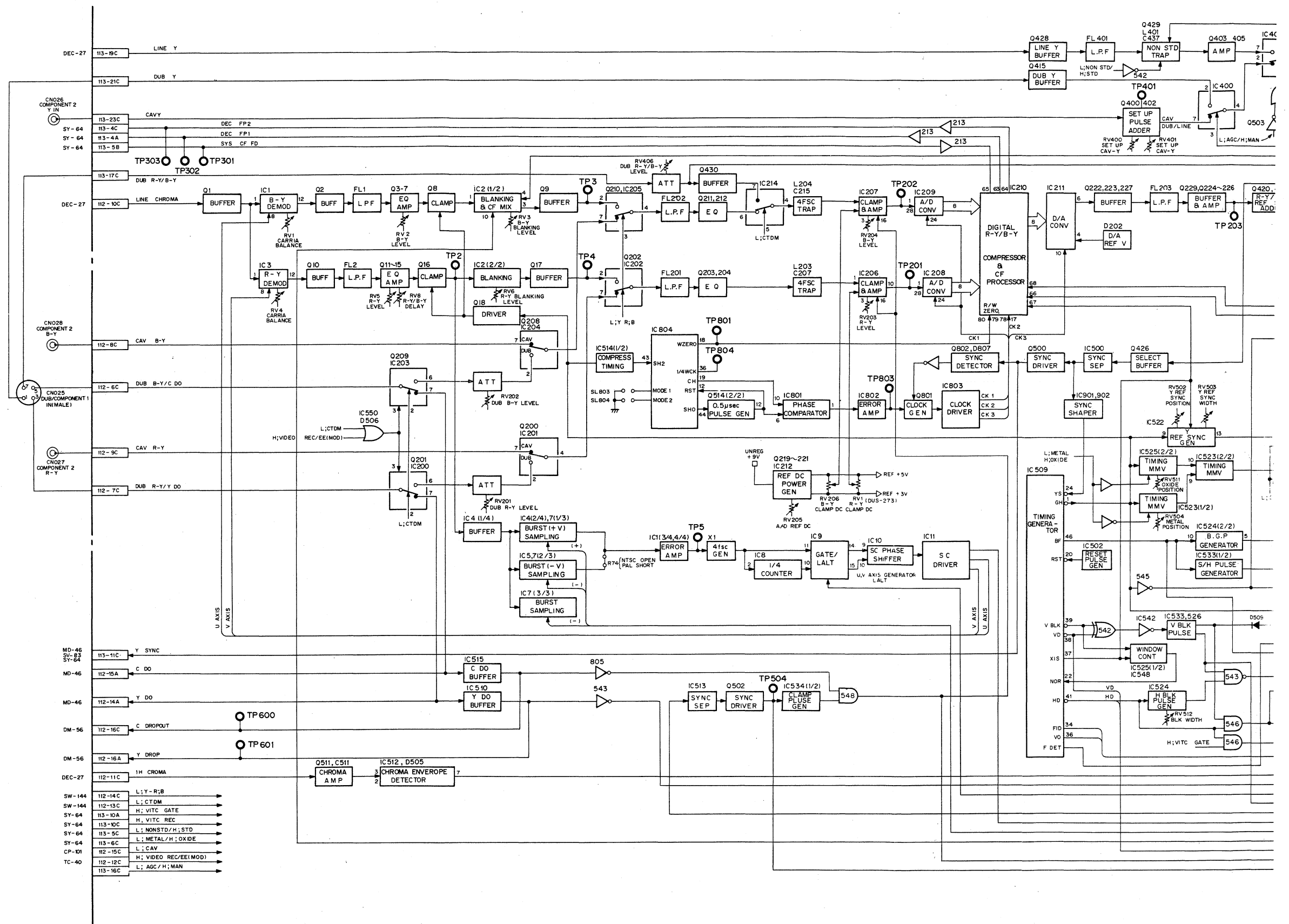
Y/C DEMOD Y/C DEMOD



Y/C DEMOD	Y/C DEMOD
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**DM-56**

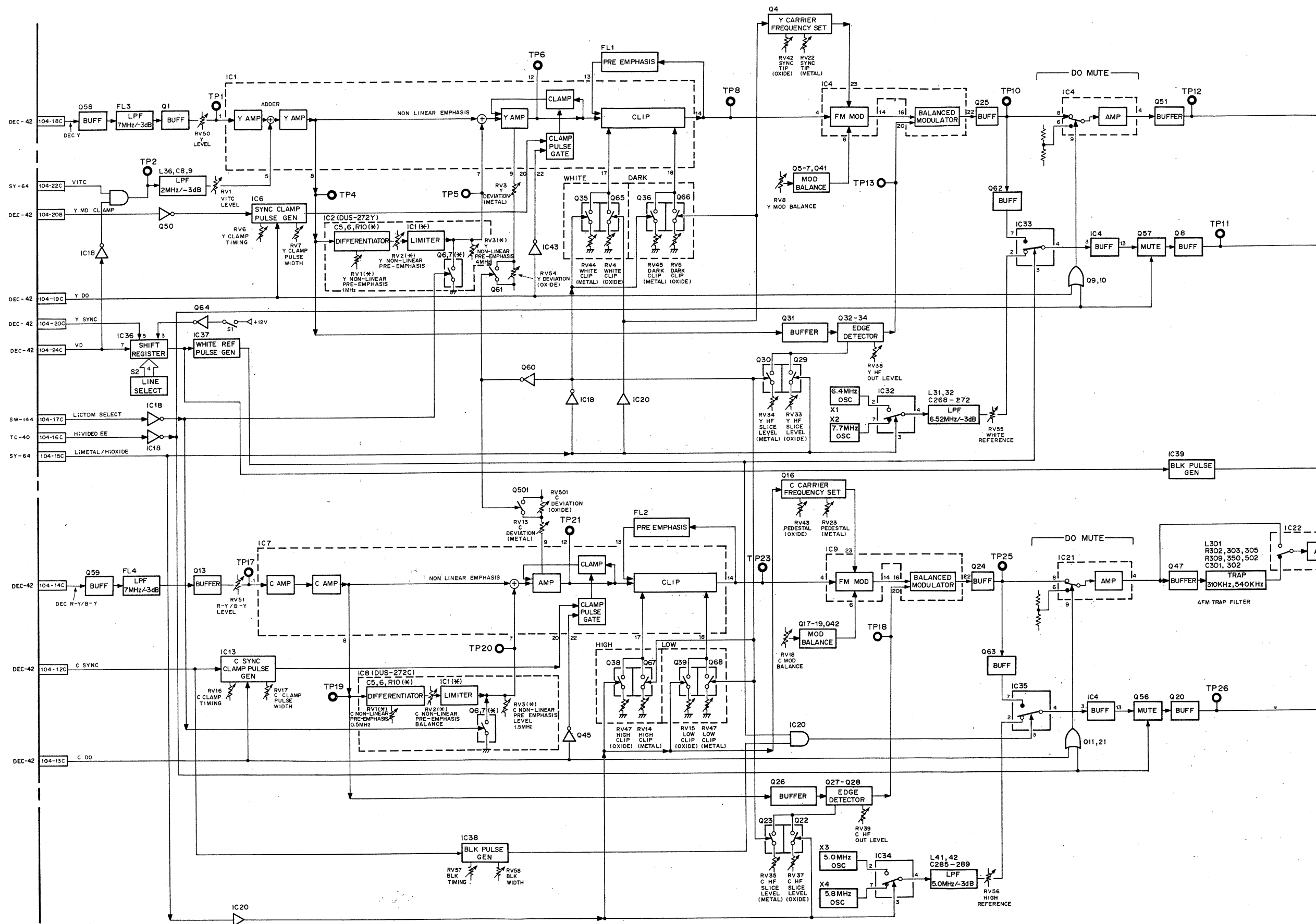
BVW-75
BVW-96

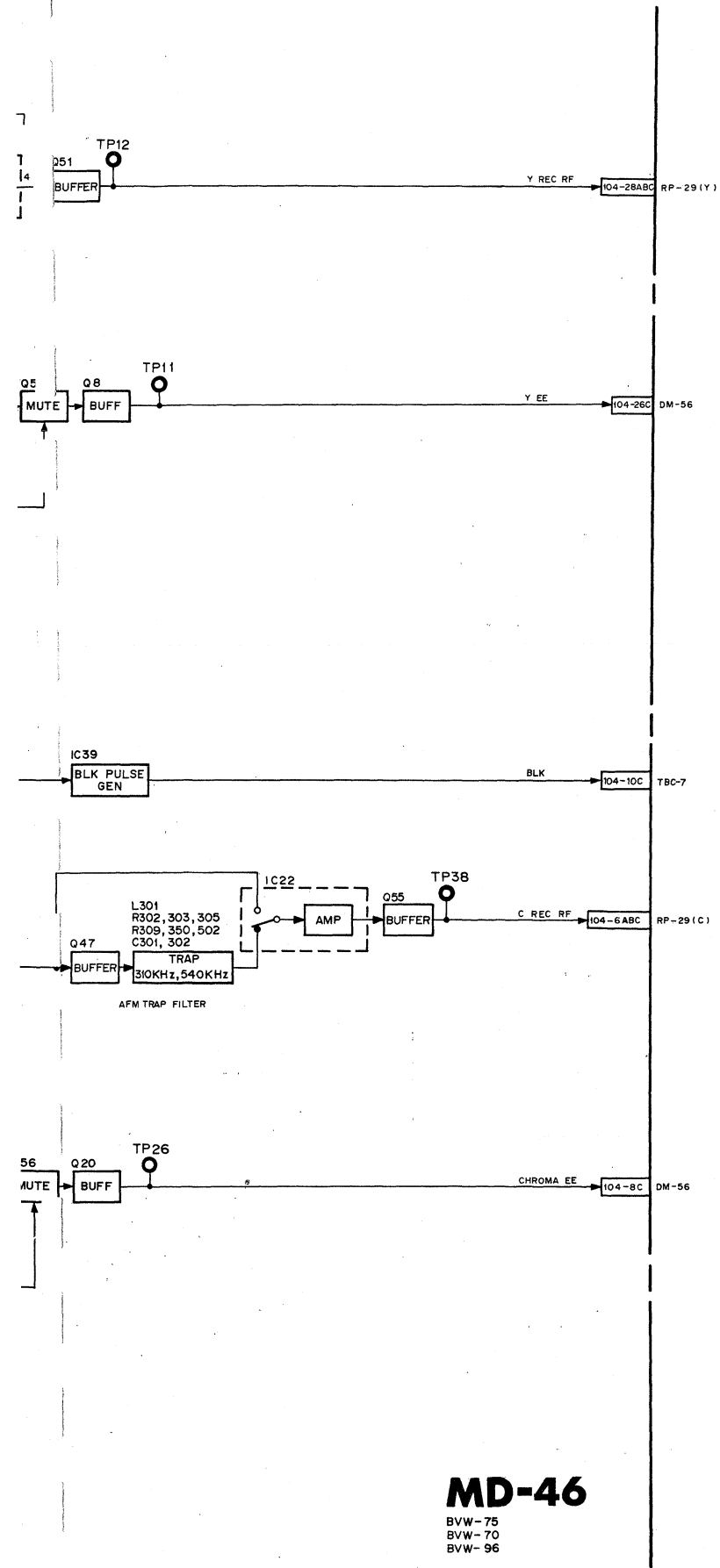




Y/C MODULATOR

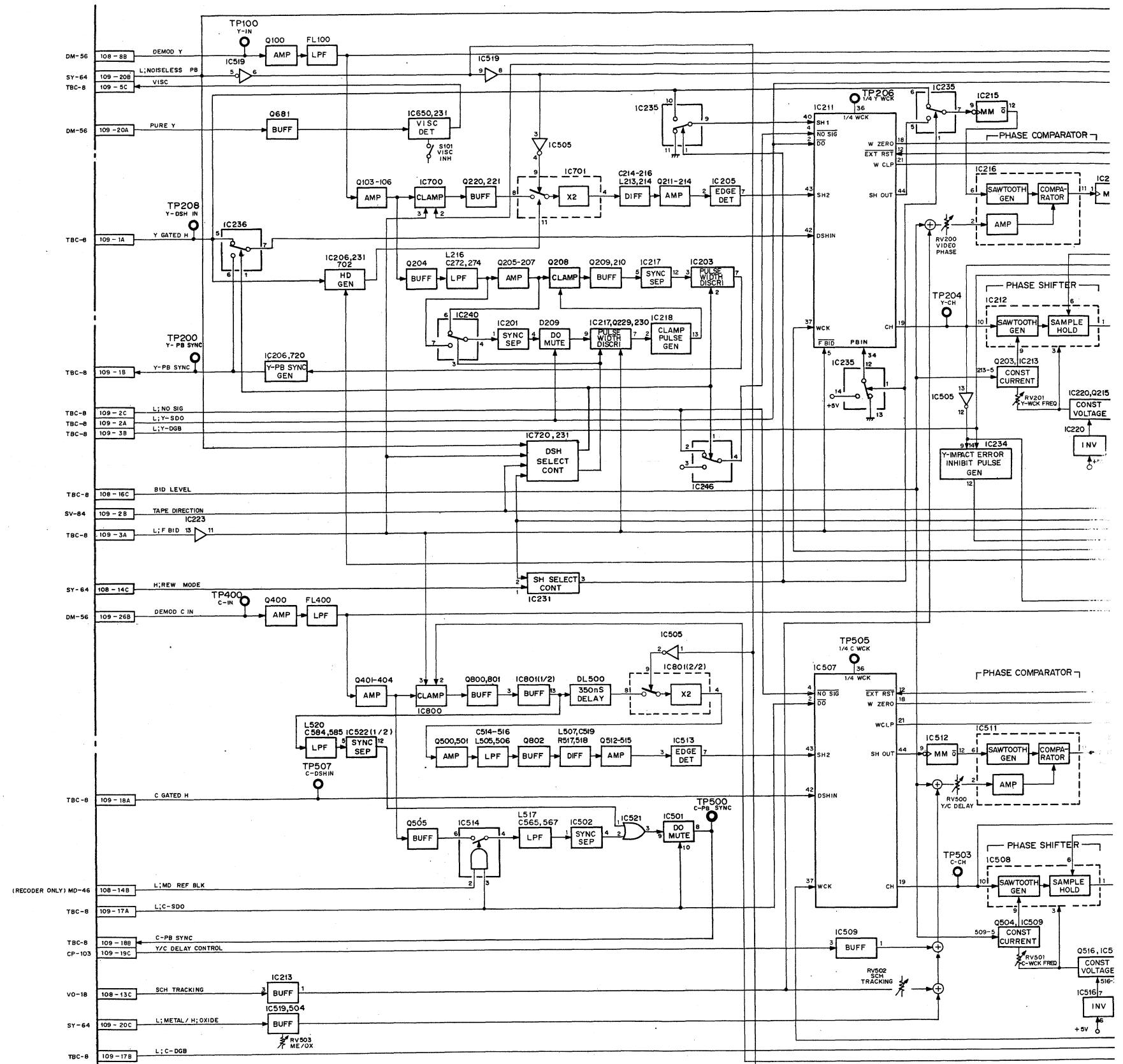
Y/C MOD Y/C MOD

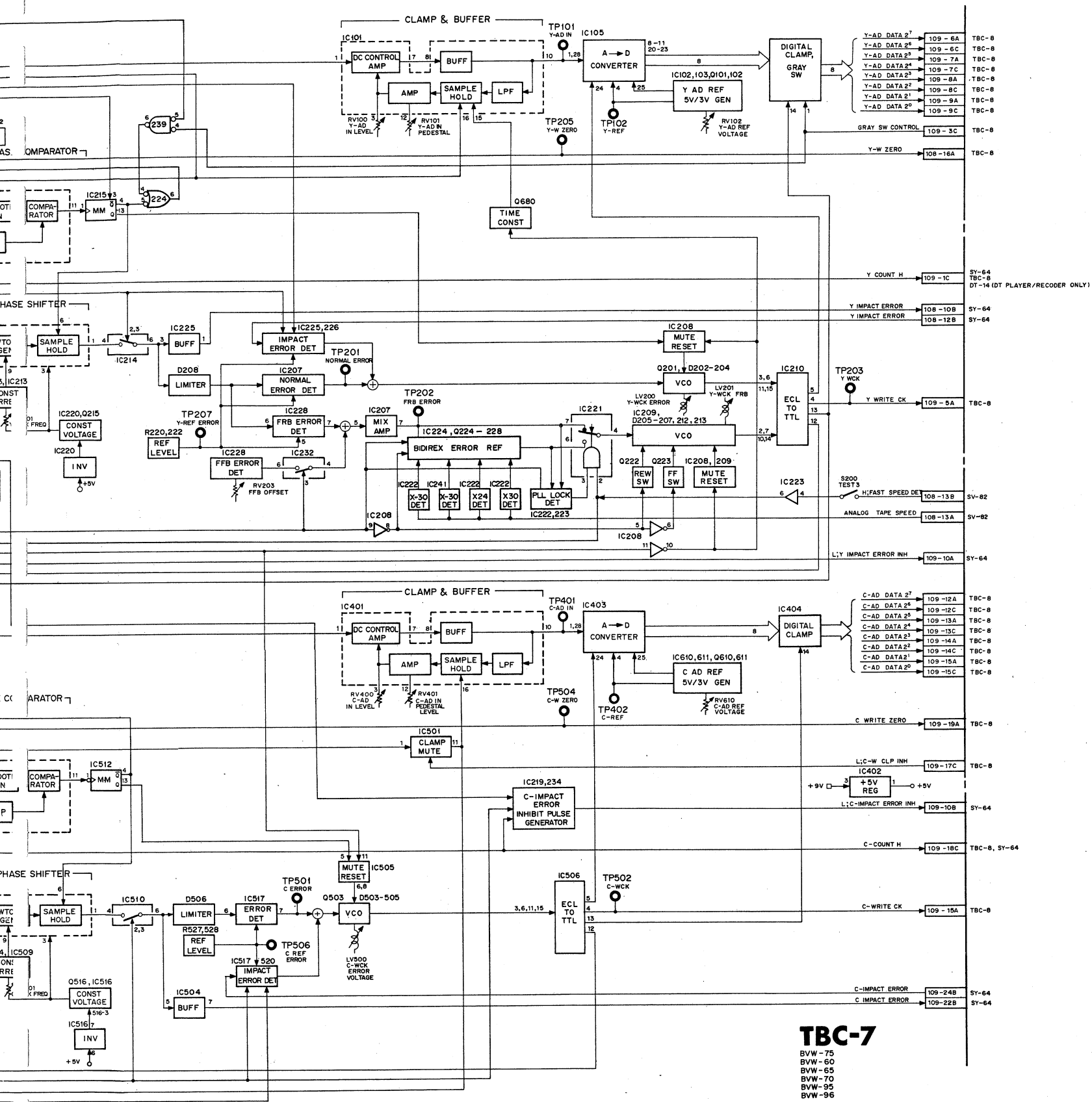




A/D CONVERTER WRITE CLOCK GENERATOR

UC ; S/N 13028 through 13325
J ; S/N 11104 through 11303

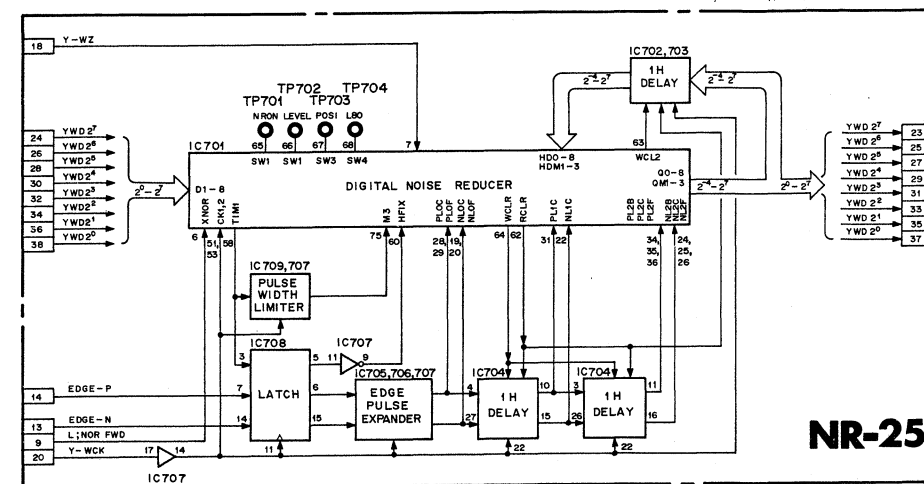
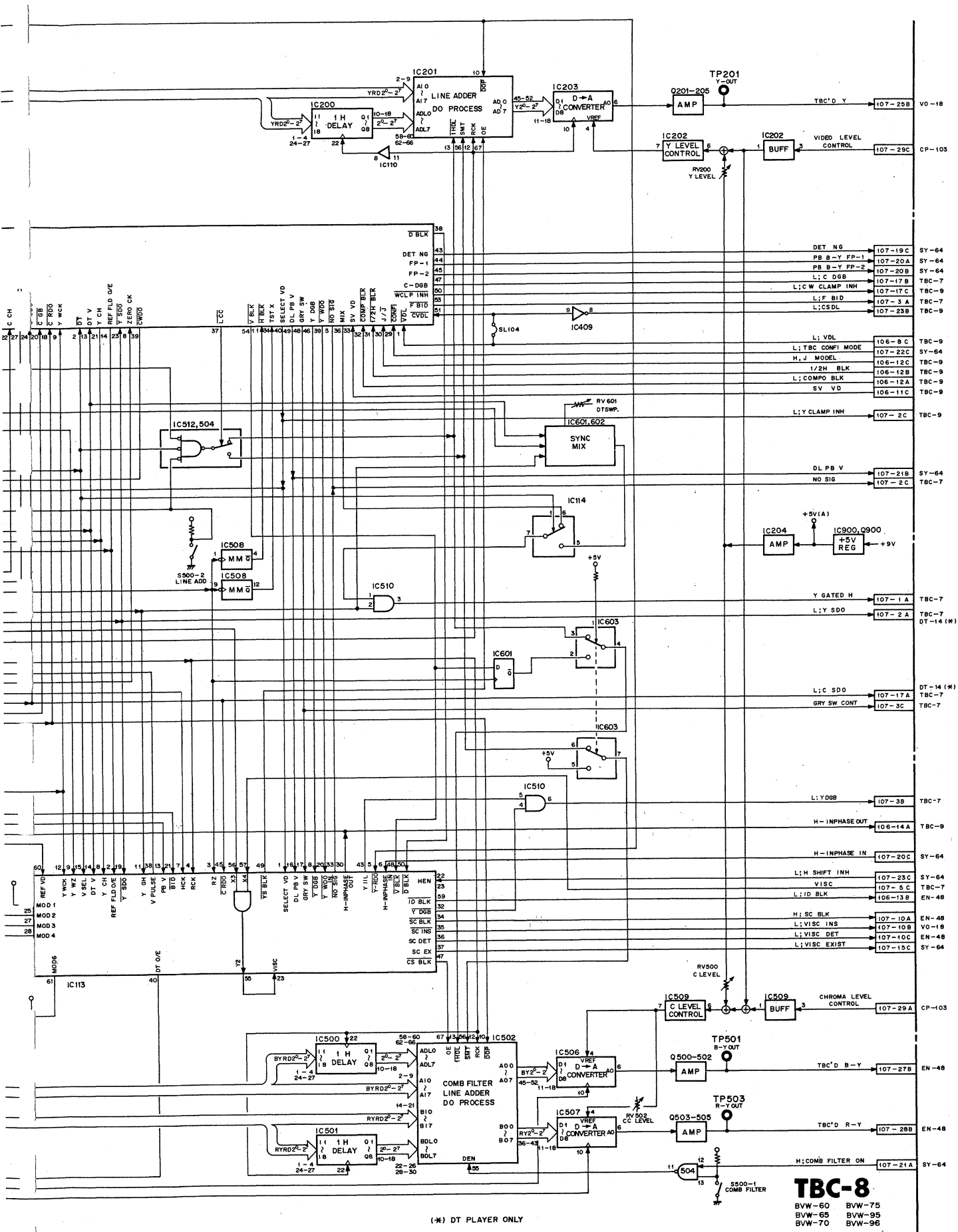




TBC-7
BVW-75
BVW-60
BVW-65
BVW-70
BVW-95
BVW-96

15-35

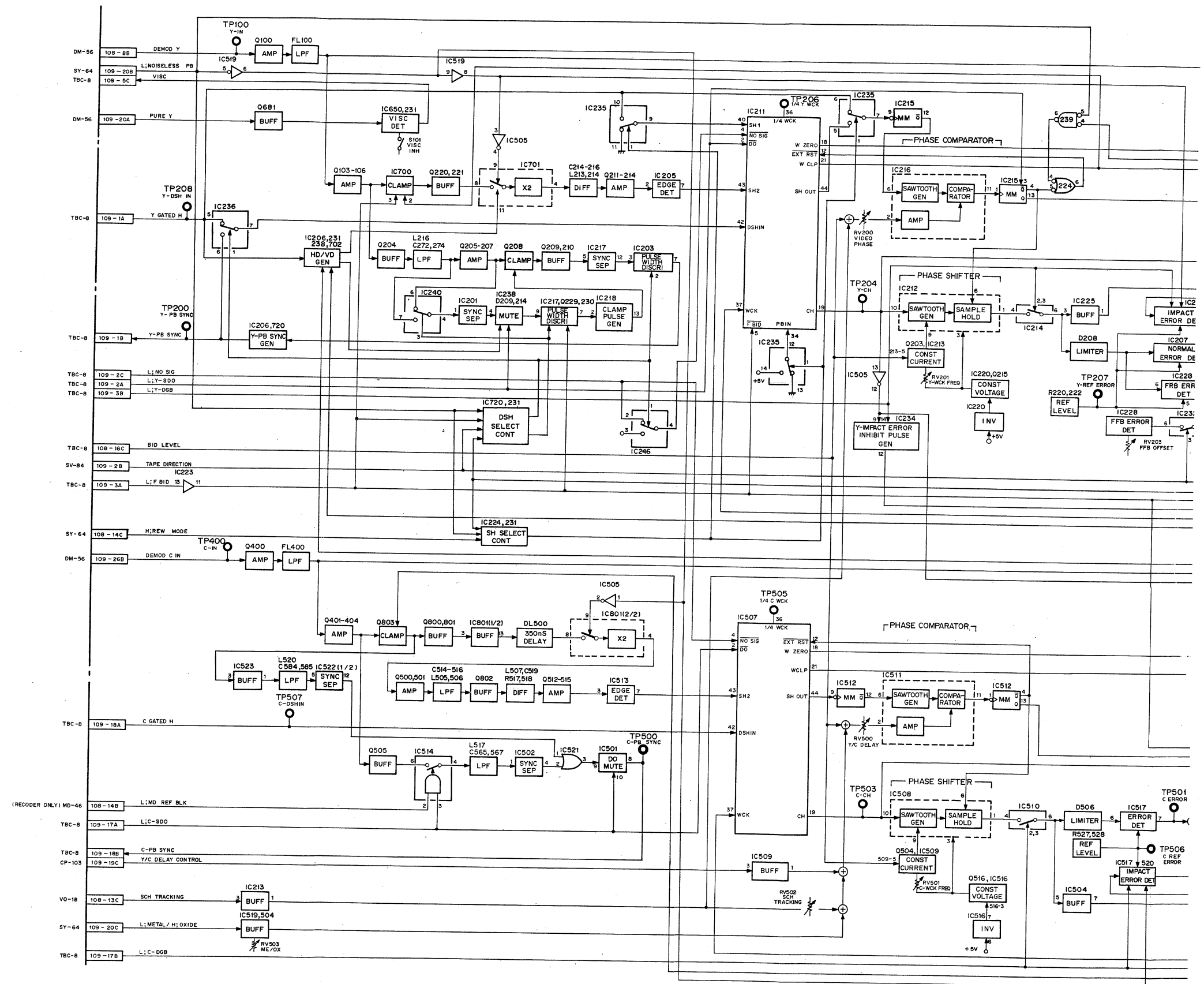


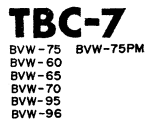


TBC TBC

A/D CONVERTER WRITE CLOCK GENERATOR

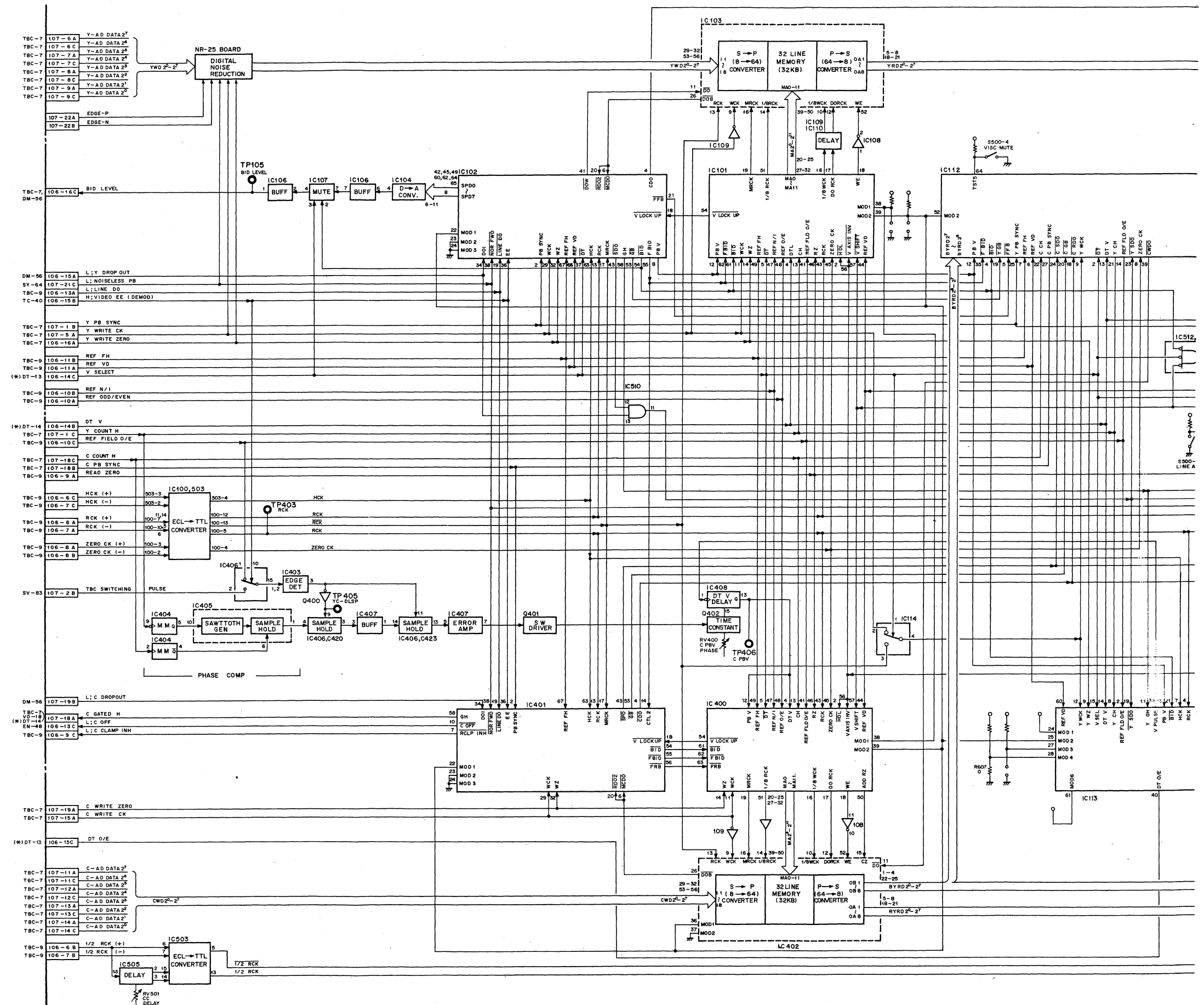
UC ; S/N 13326	and higher
J ; S/N 11304	and higher





TBC	TBC
-----	-----

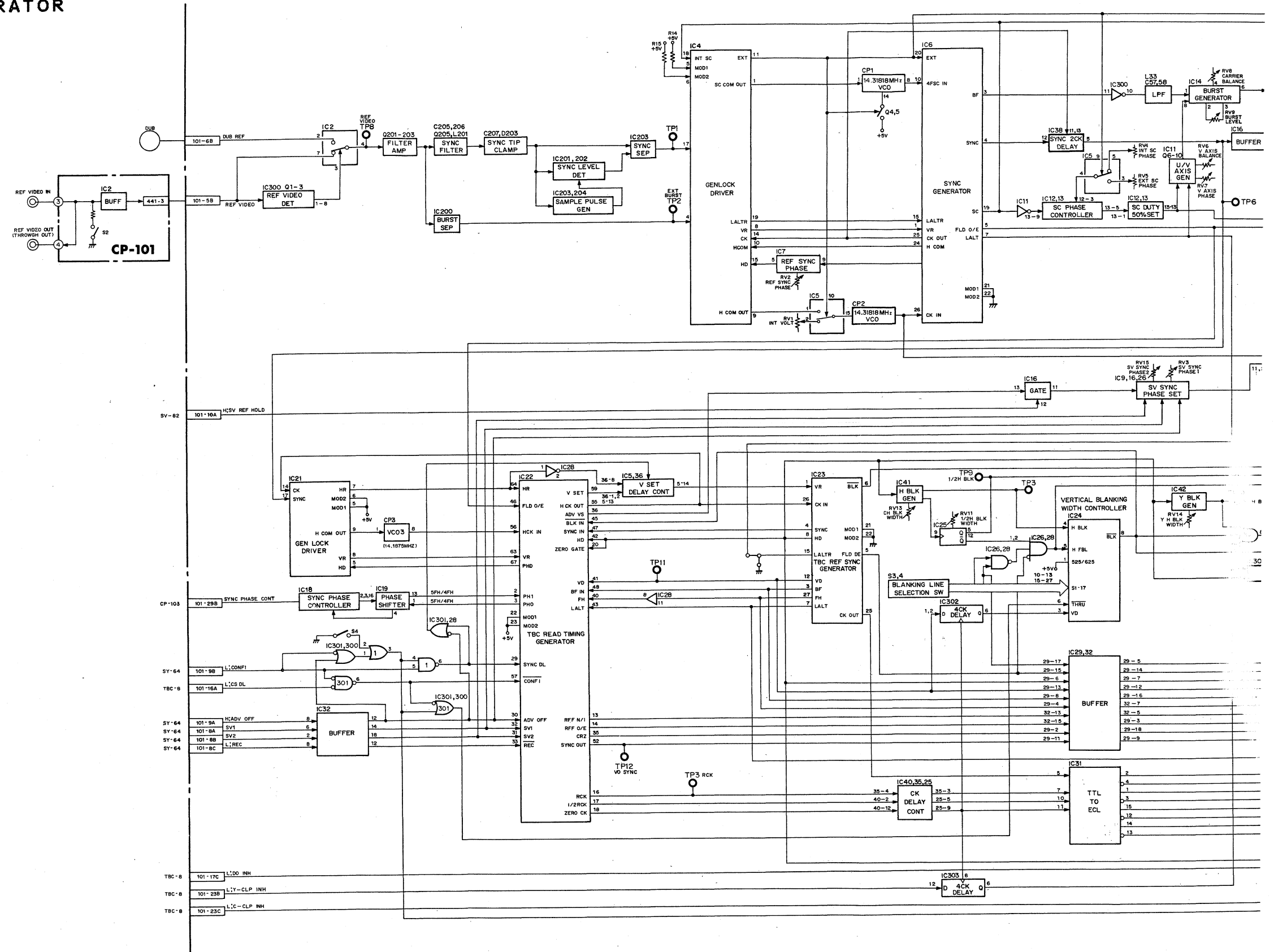
MAIN MEMORY
D/A CONVERTER
Y DIGITAL NOISE REDUCTION





BVW-60	BVW-75
BVW-65	BVW-95
BVW-70	BVW-96

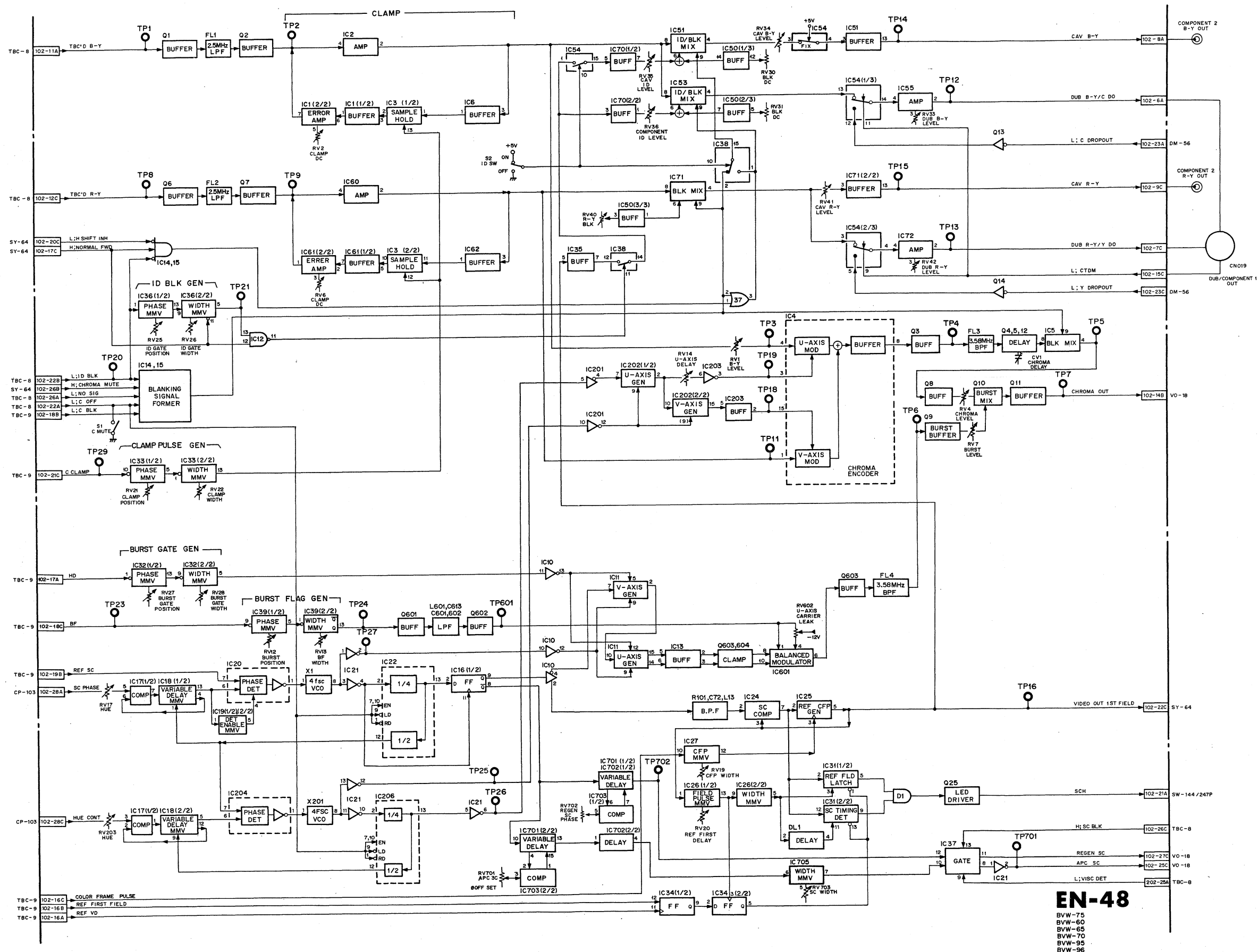
REF SIGNAL/ TIMING GENERATOR

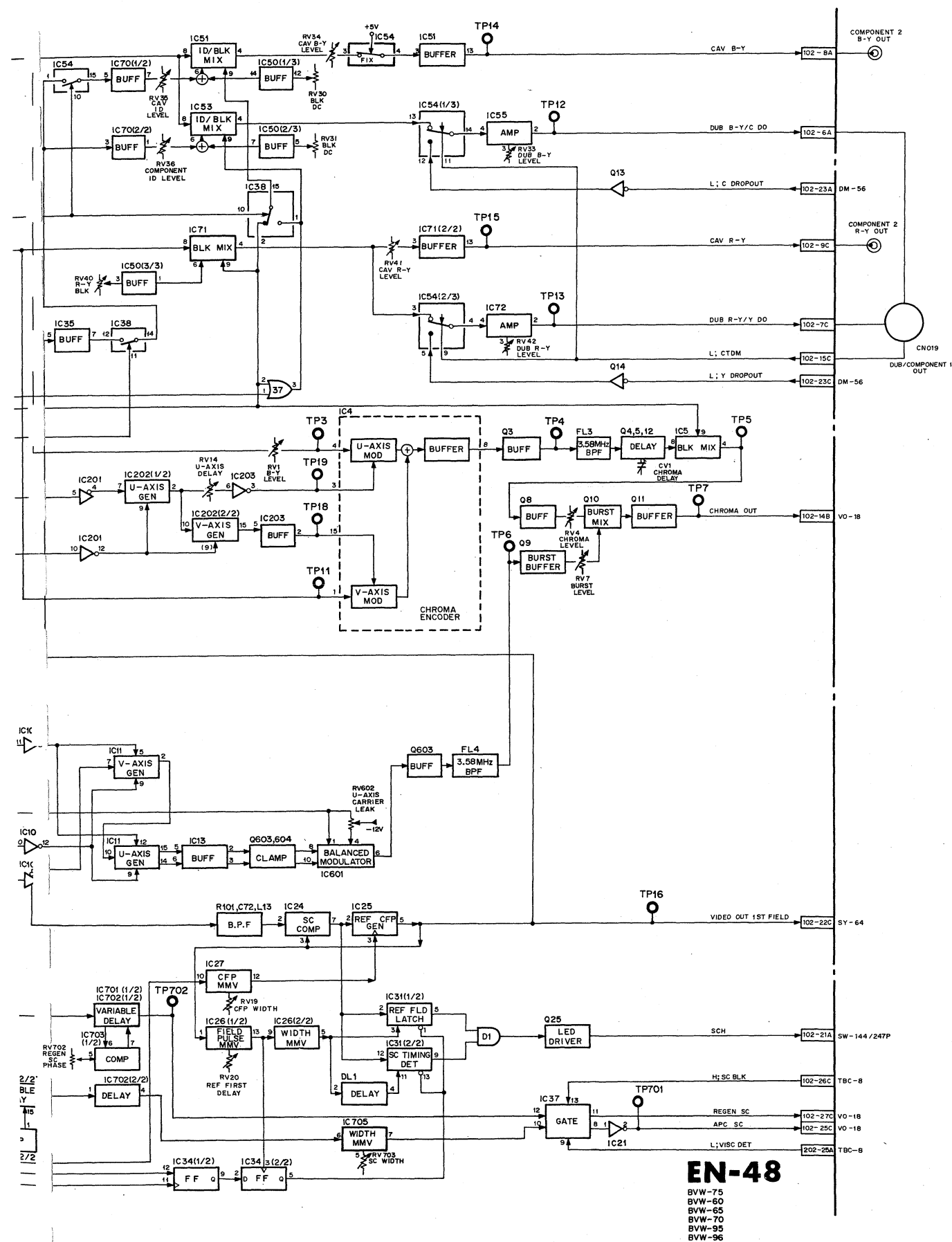




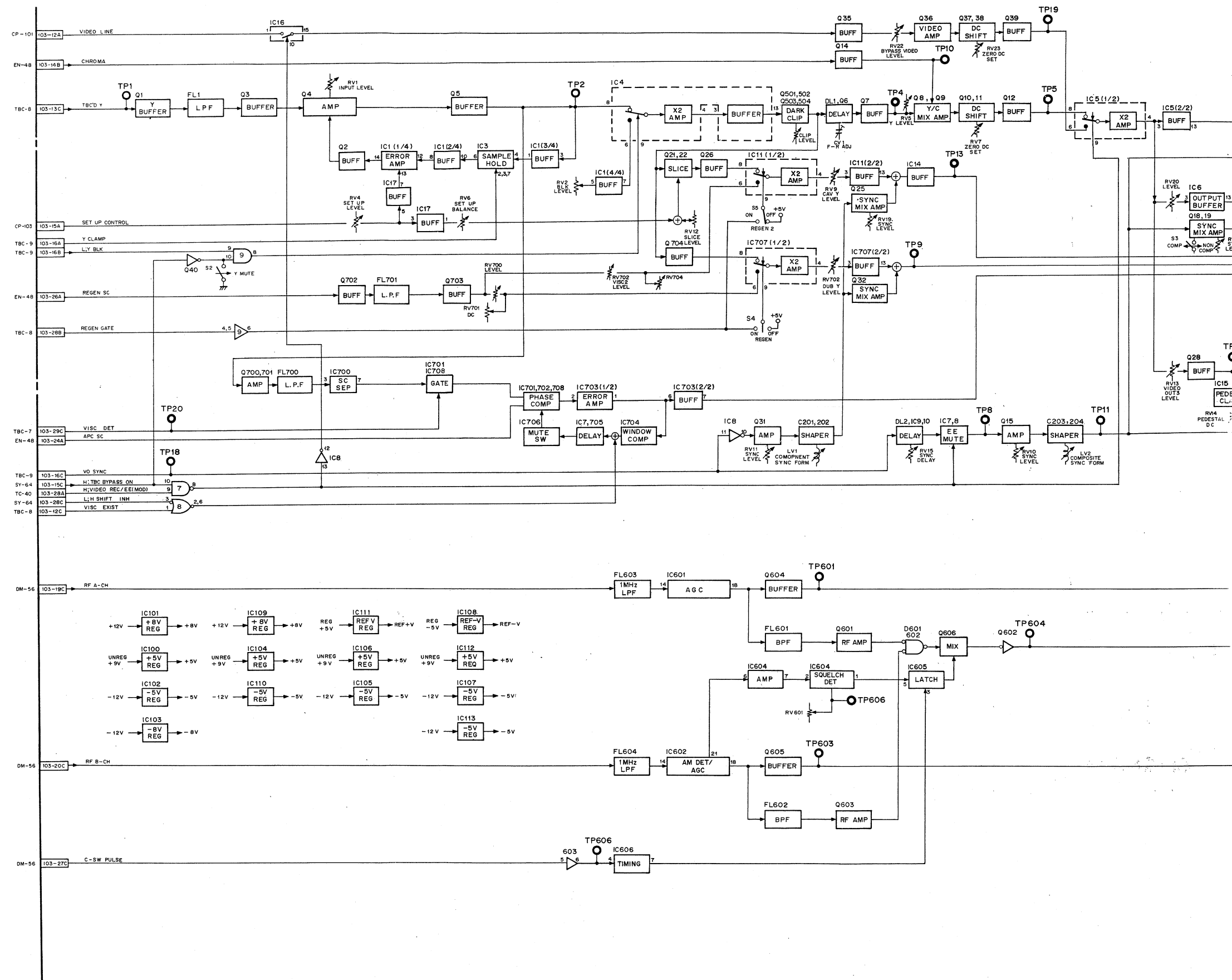
BVW - 60	BVW - 75
BVW - 65	BVW - 95
BVW - 70	BVW - 96

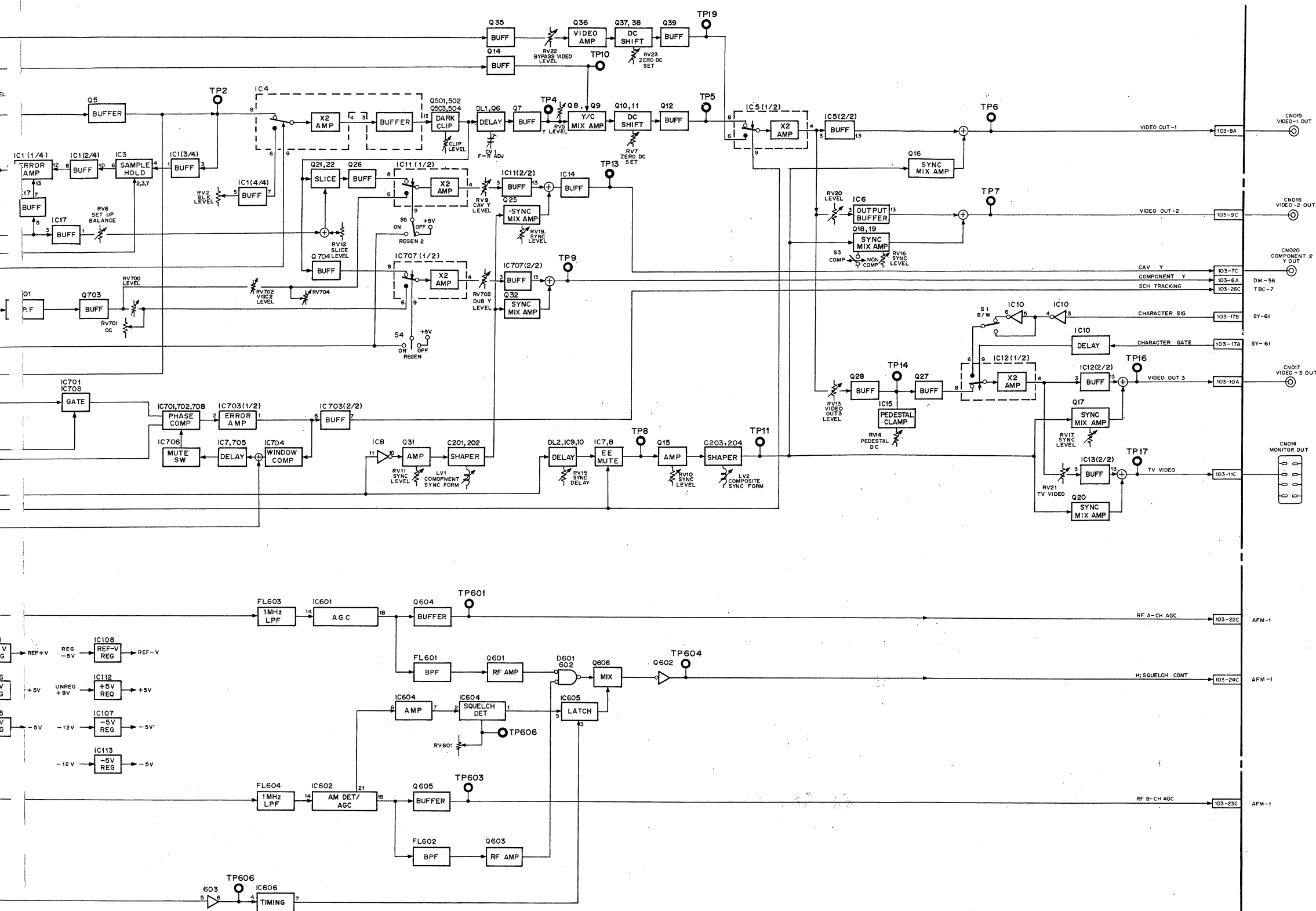
ENCODER





VIDEO OUTPUT AGC FOR AFM





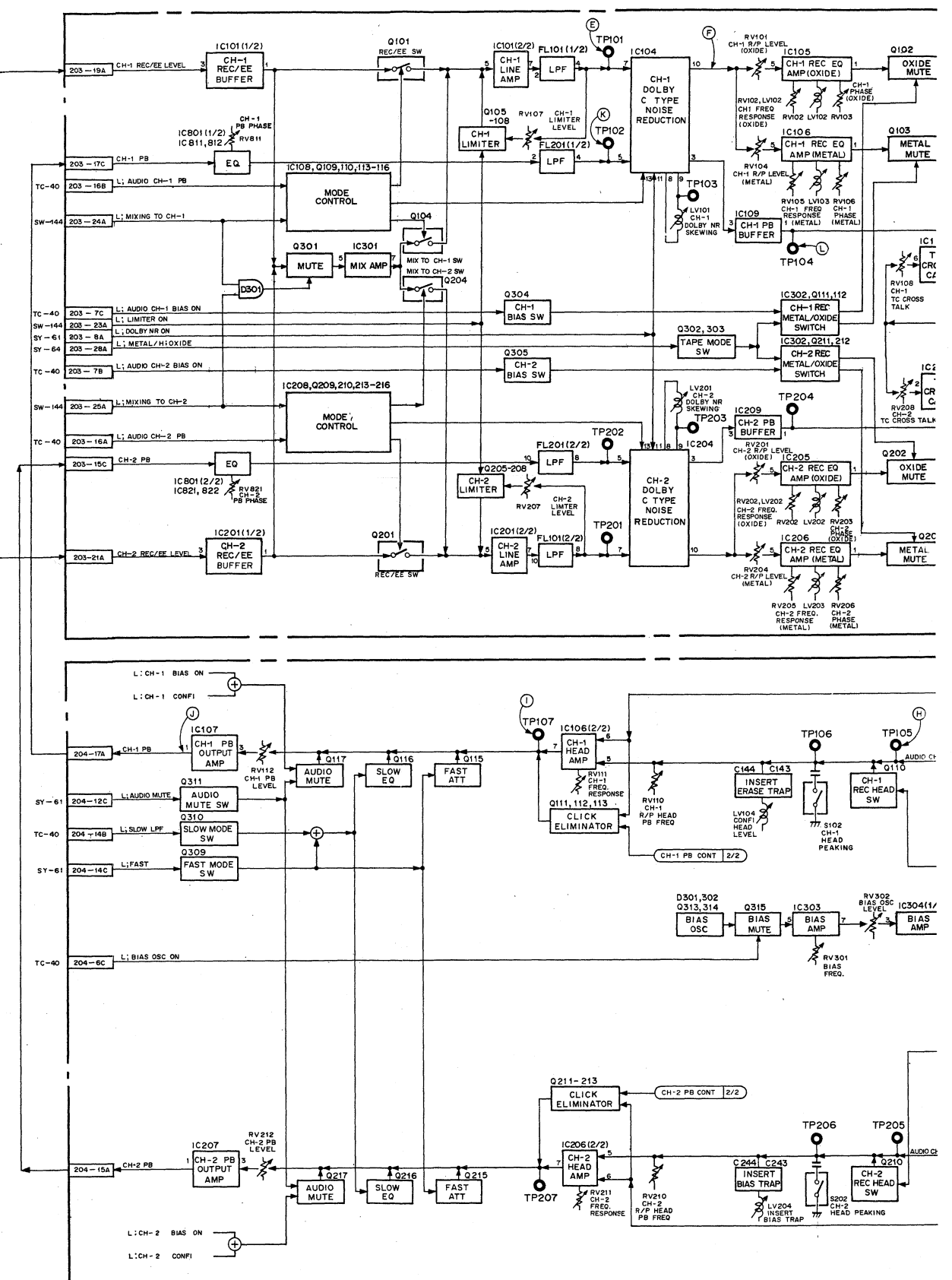
VO-18

BVW-75
BVW-70
BVW-96

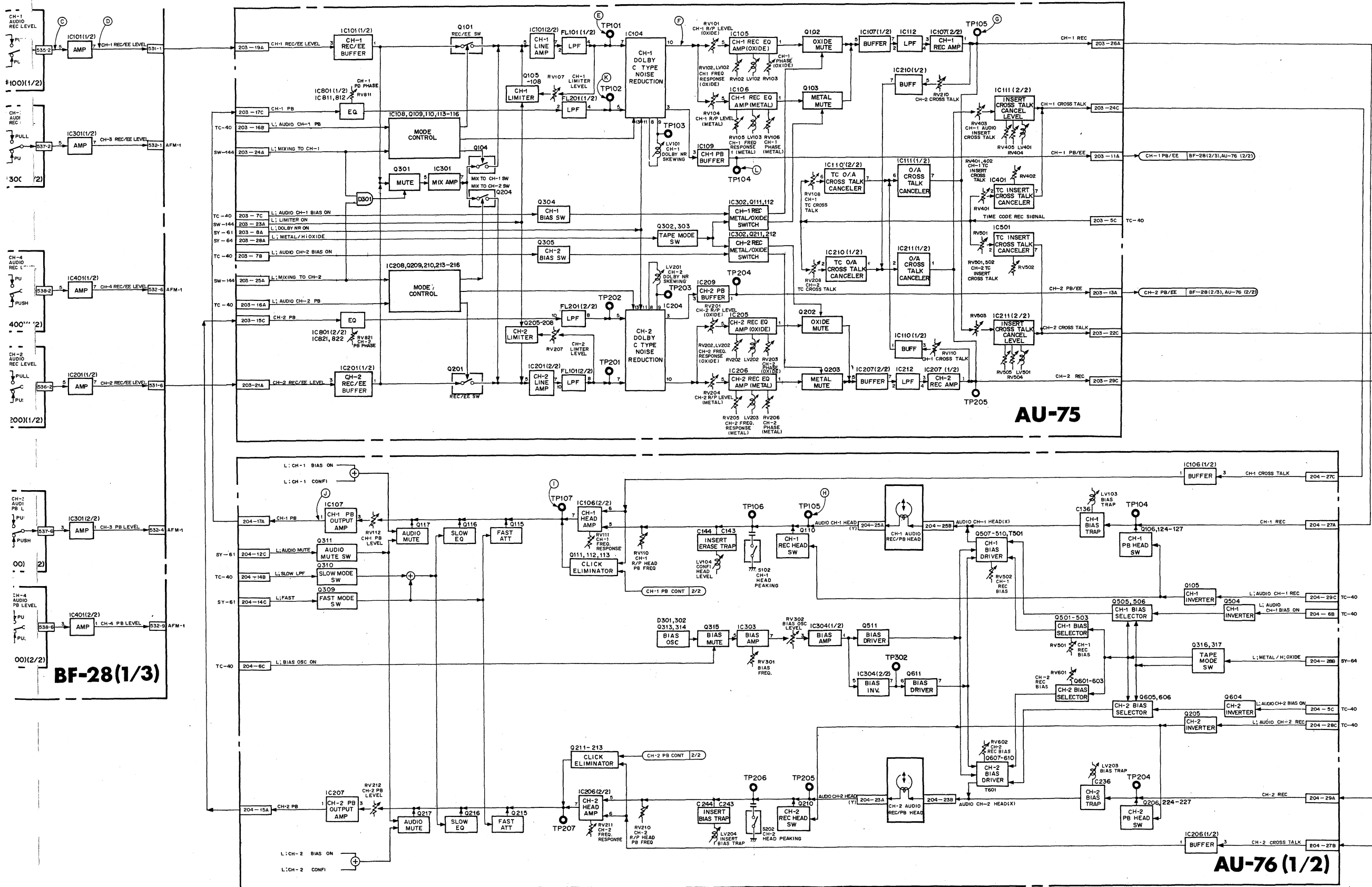
The schematic diagram illustrates the internal circuitry of the BF-28(1/3) receiver, divided into two main sections: the audio section (CP-101(2/2)) and the power section (CP-102(2/2)).

Audio Section (CP-101(2/2)): This section processes four audio channels (CH-1 to CH-4). Each channel starts with an input (CN002 to CN005) connected to a 20kΩ resistor and a 600Ω resistor. The signal then passes through a switch (S101 to S104) controlled by a 600Ω resistor. The output of the switch is connected to a gain control (G1 to G4) and a microphone input (MIC). The gain control is connected to a variable capacitor (VC101 to VC104) and a 736Ω resistor. The microphone input is connected to a 736Ω resistor and a 736Ω resistor. The output of the gain control is connected to a 736Ω resistor and a 736Ω resistor. The output of the microphone input is connected to a 736Ω resistor and a 736Ω resistor. The output of the gain control is connected to a 736Ω resistor and a 736Ω resistor. The output of the microphone input is connected to a 736Ω resistor and a 736Ω resistor.

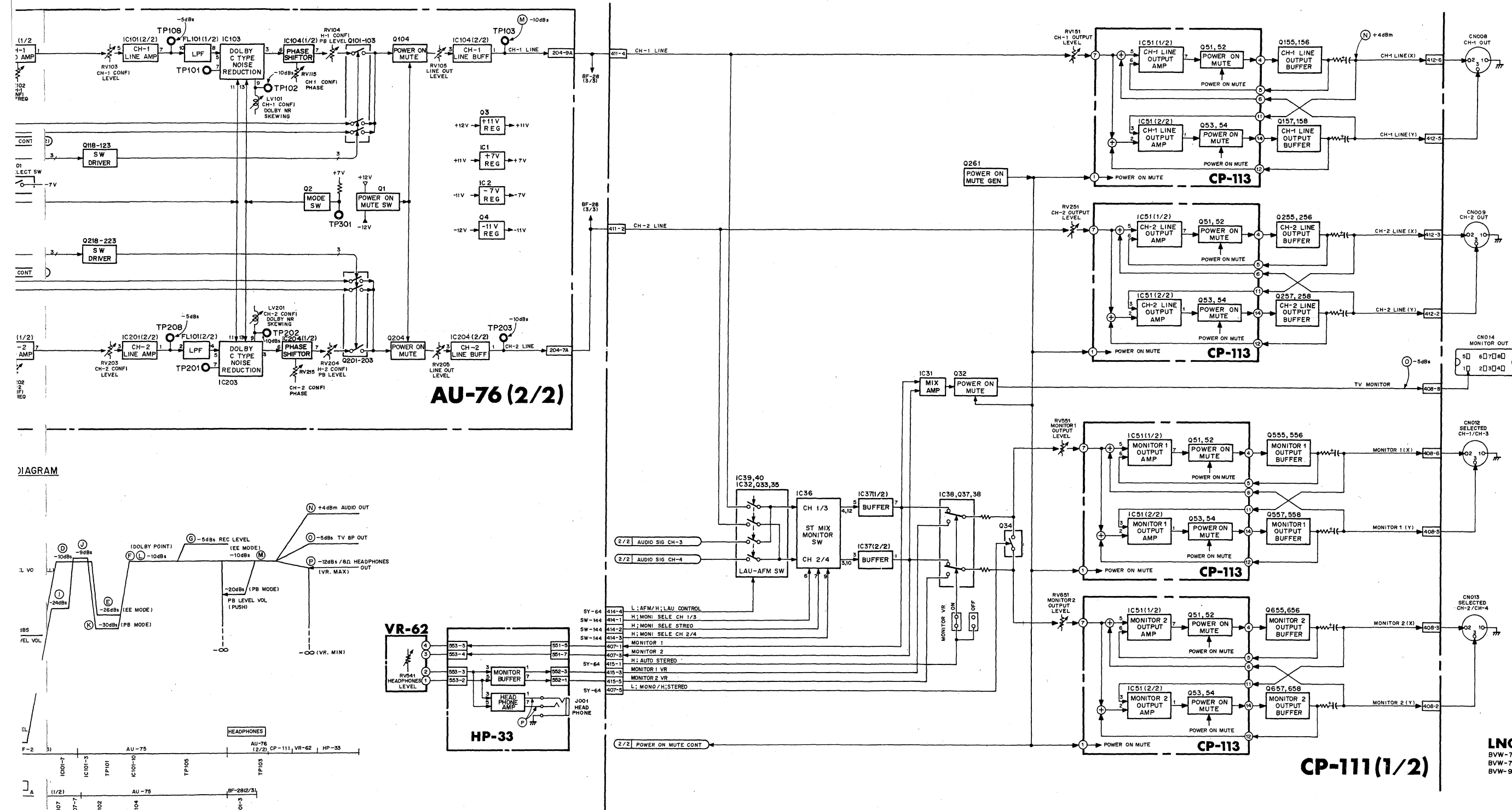
Power Section (CP-102(2/2)): This section provides power to the audio section. It includes three channels (CH-1 to CH-3) and a common power bus (PB). Each channel has a push-pull amplifier (VR-42) with a 100kΩ resistor (P101 to P103) and a 100kΩ resistor (P101 to P103). The output of the push-pull amplifier is connected to a 100kΩ resistor (P101 to P103) and a 100kΩ resistor (P101 to P103). The output of the push-pull amplifier is connected to a 100kΩ resistor (P101 to P103) and a 100kΩ resistor (P101 to P103). The output of the push-pull amplifier is connected to a 100kΩ resistor (P101 to P103) and a 100kΩ resistor (P101 to P103).



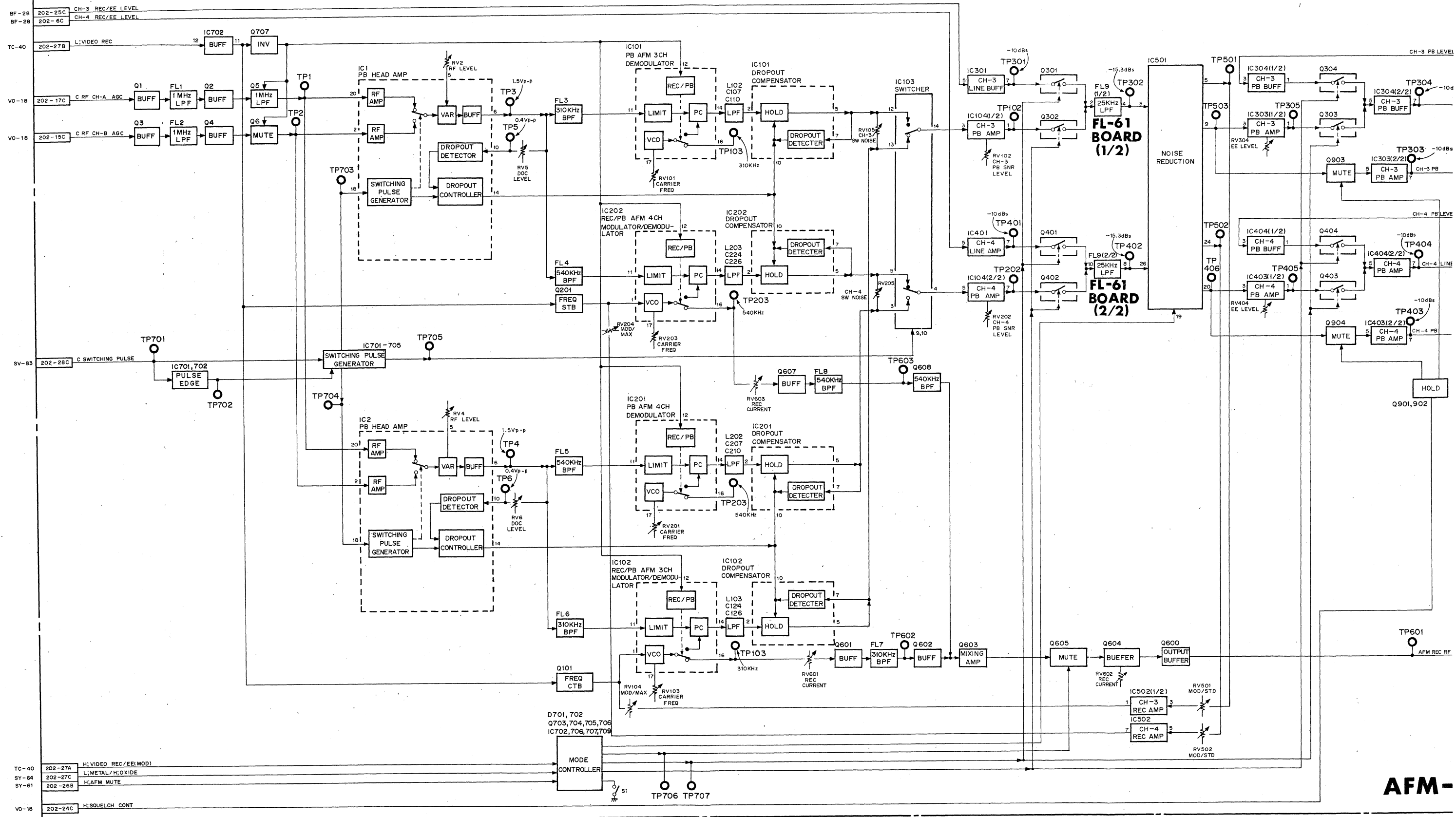
LNG AUDIO LNG AUDIO



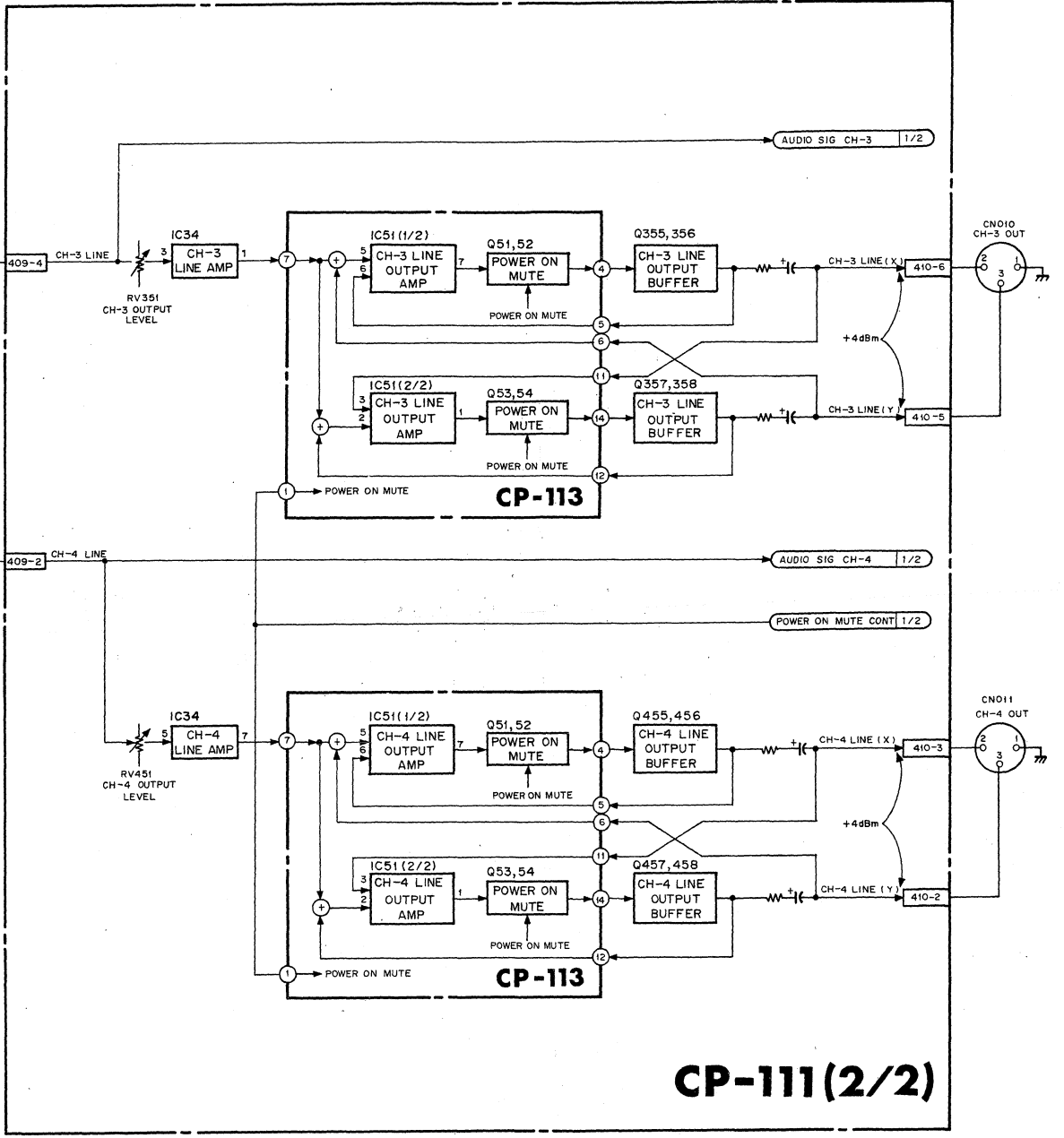
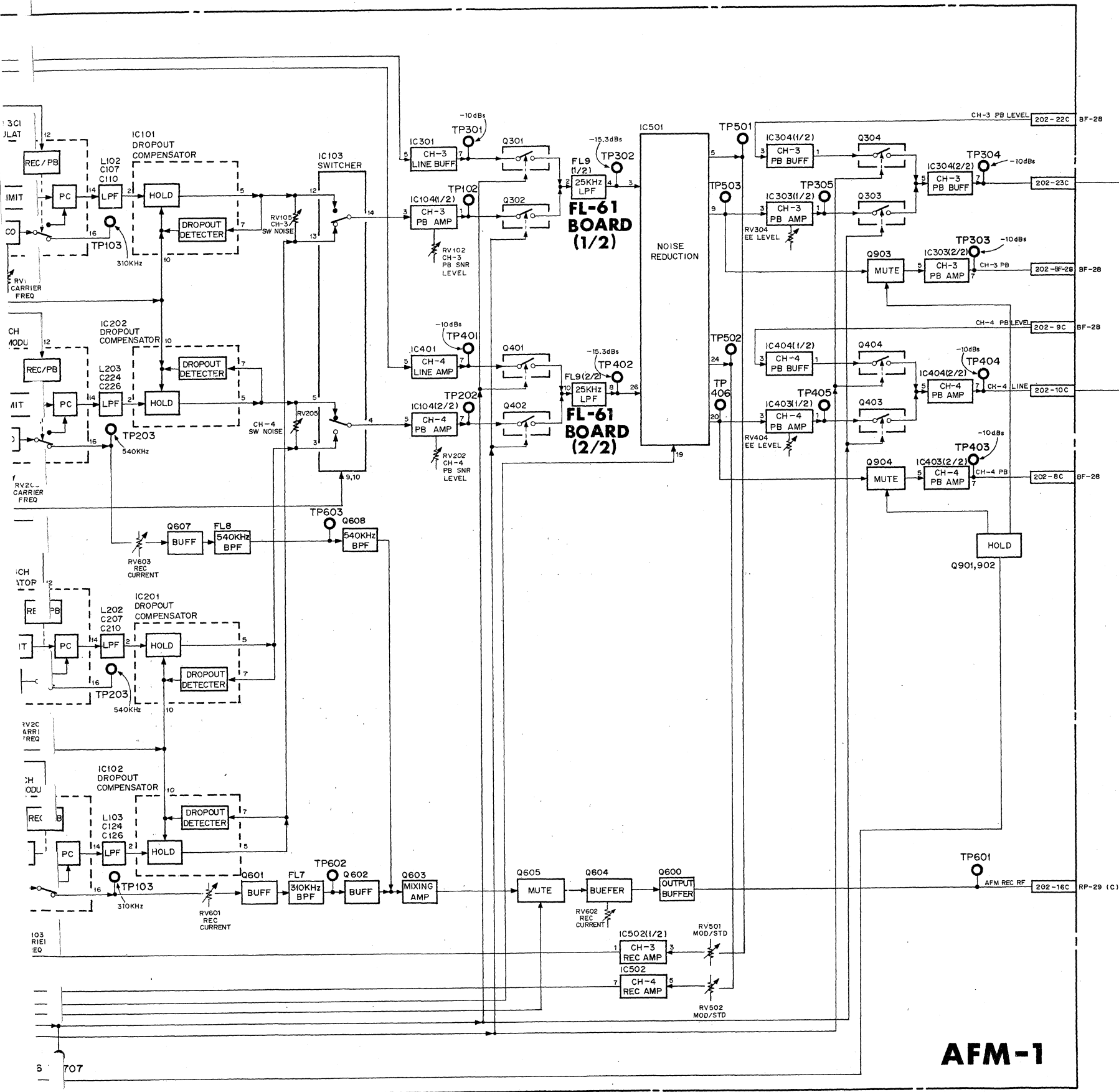




AFM AUDIO

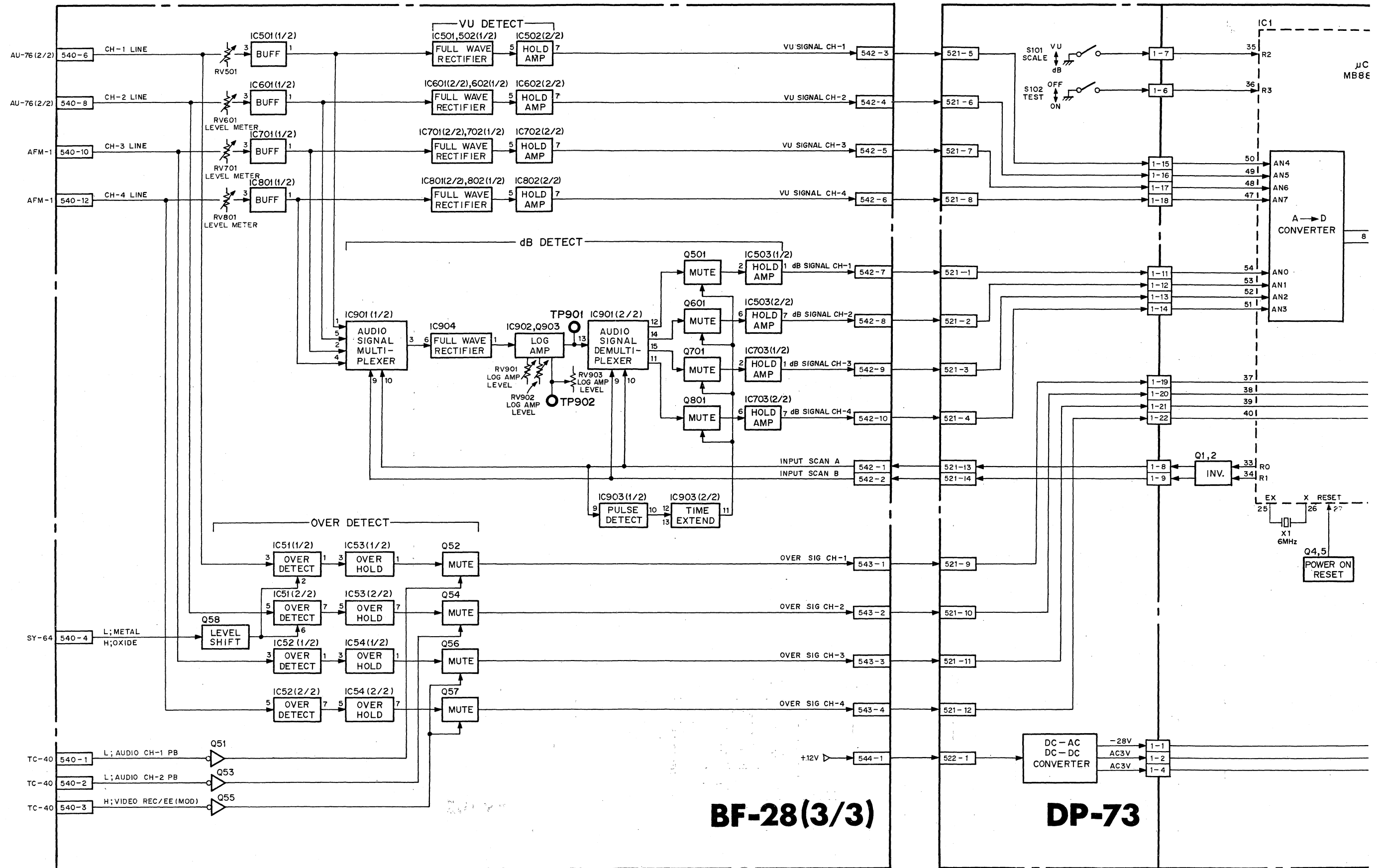


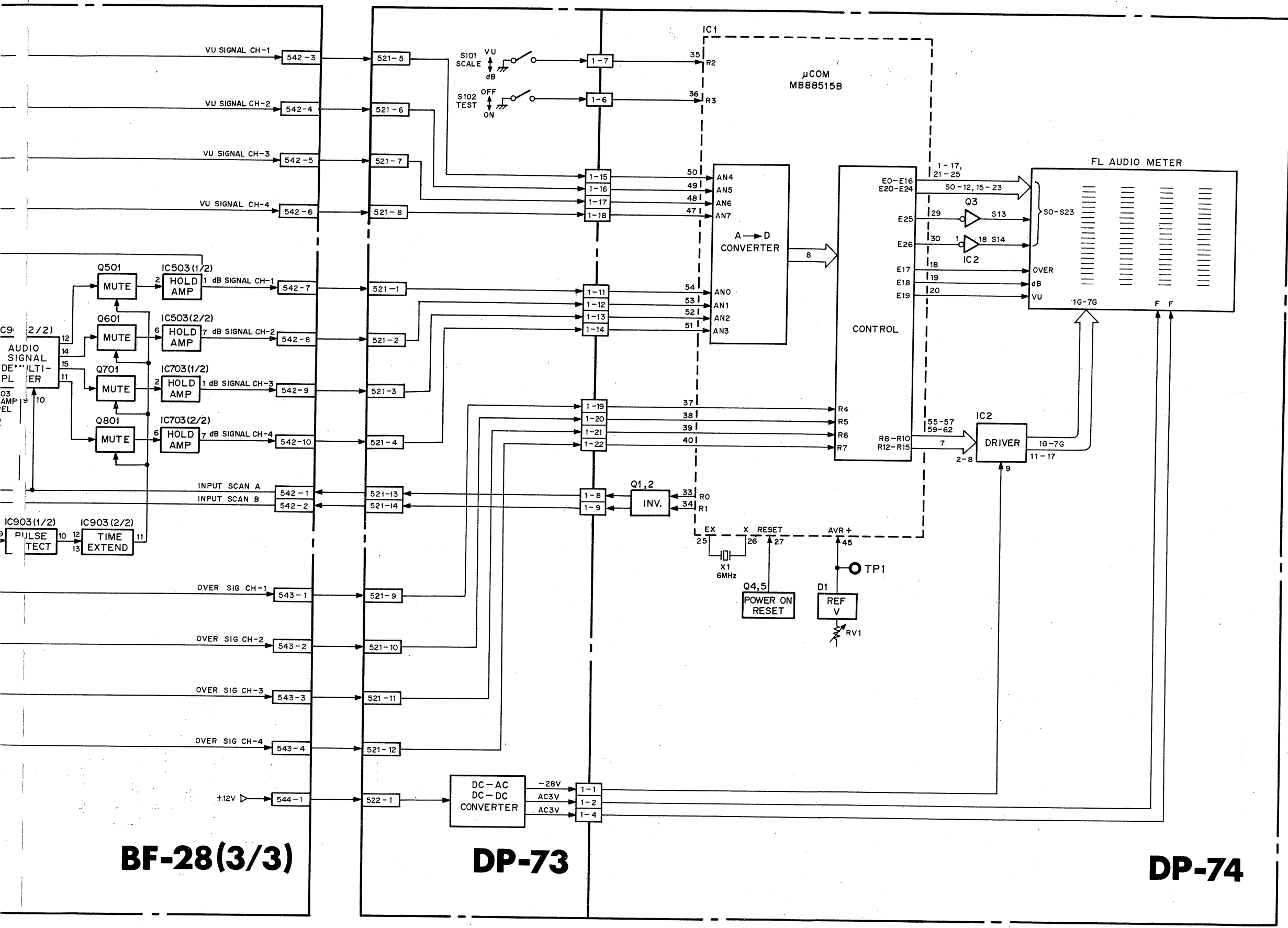
AFM AUDIO AFM AUDIO



AFM AUDIO
BVW-70
BVW-75
BVW-96

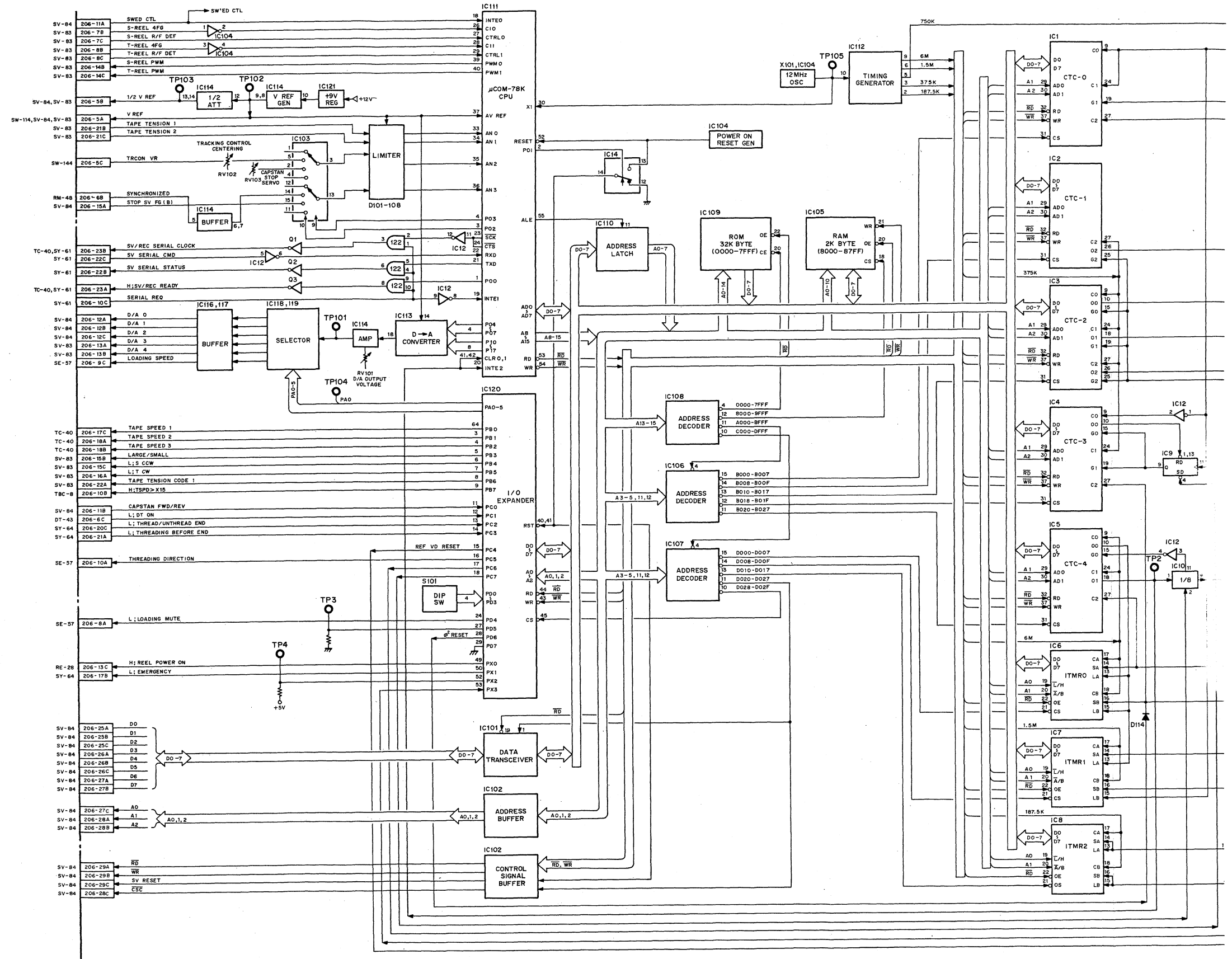
AUDIO LEVEL METER

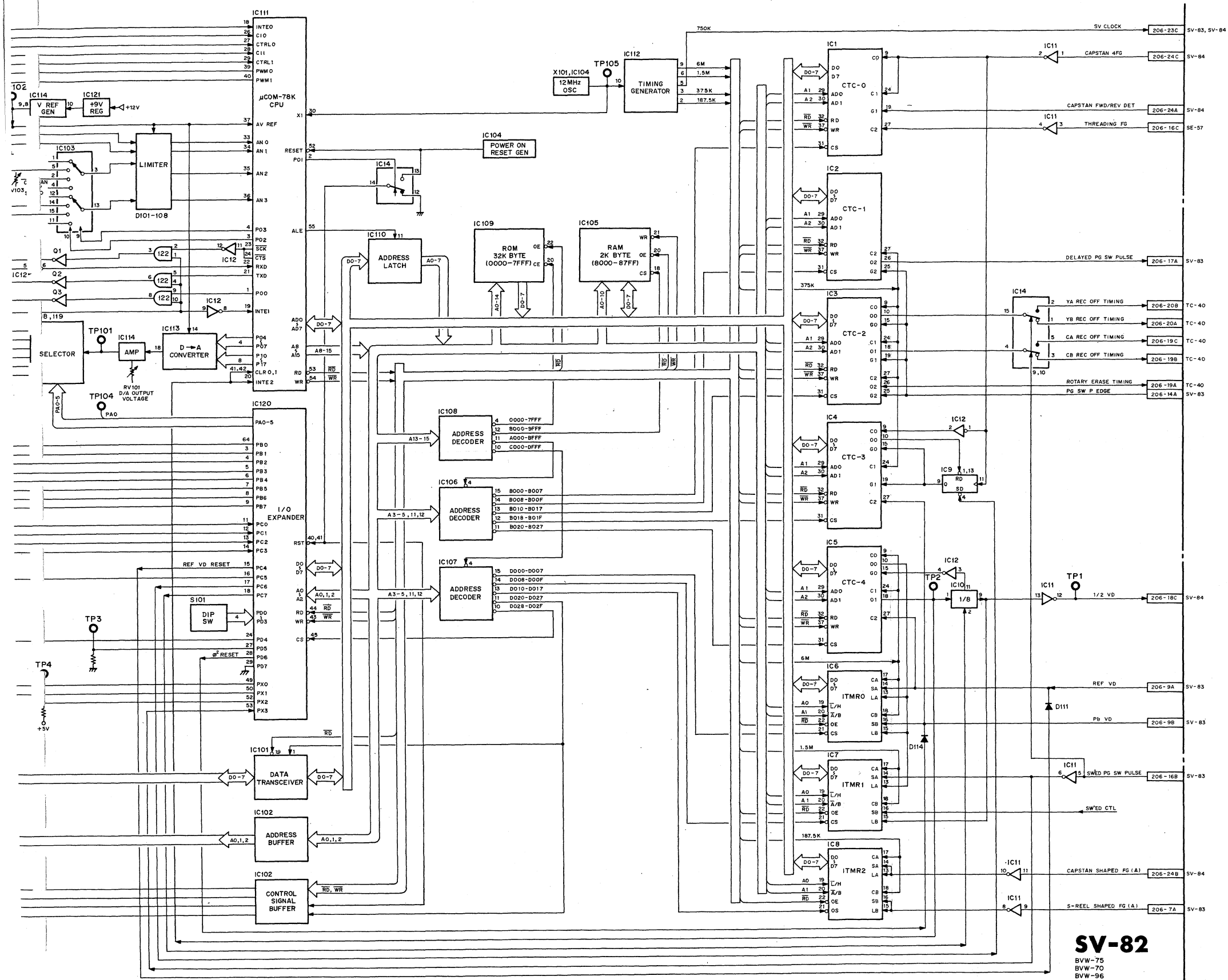




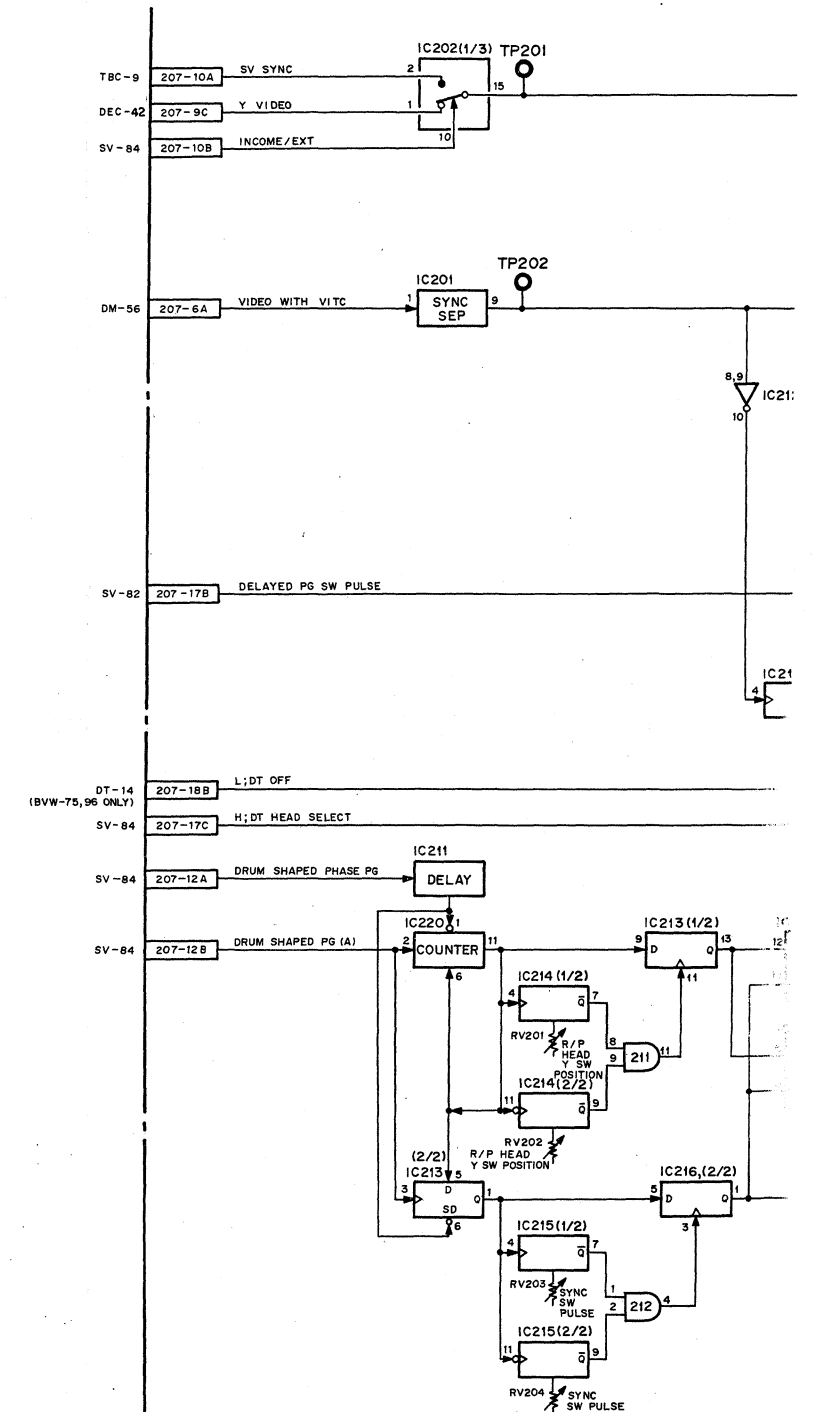
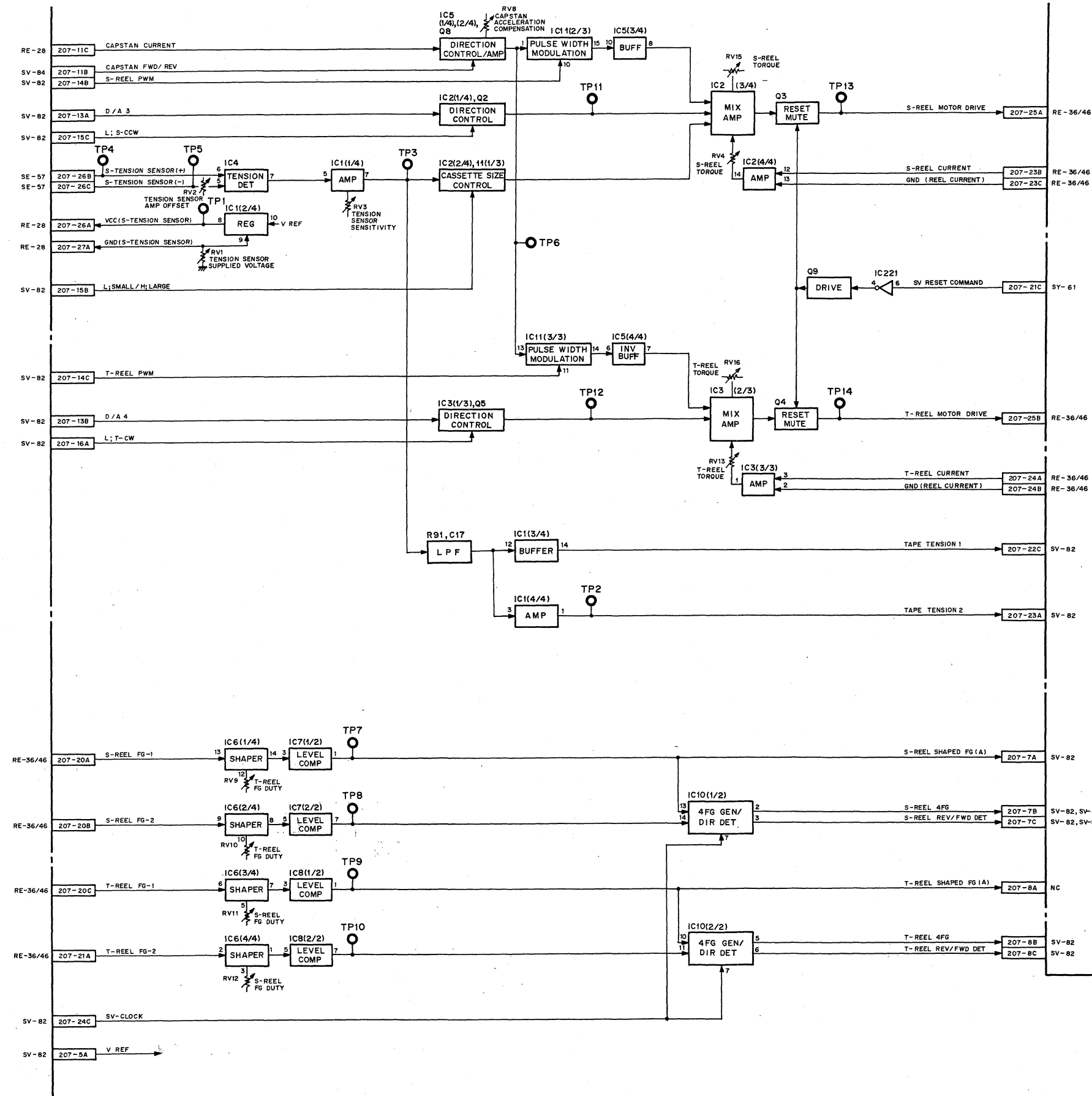
AUDIO LEVEL METER
BVW-75
BVW-70
BVW-96

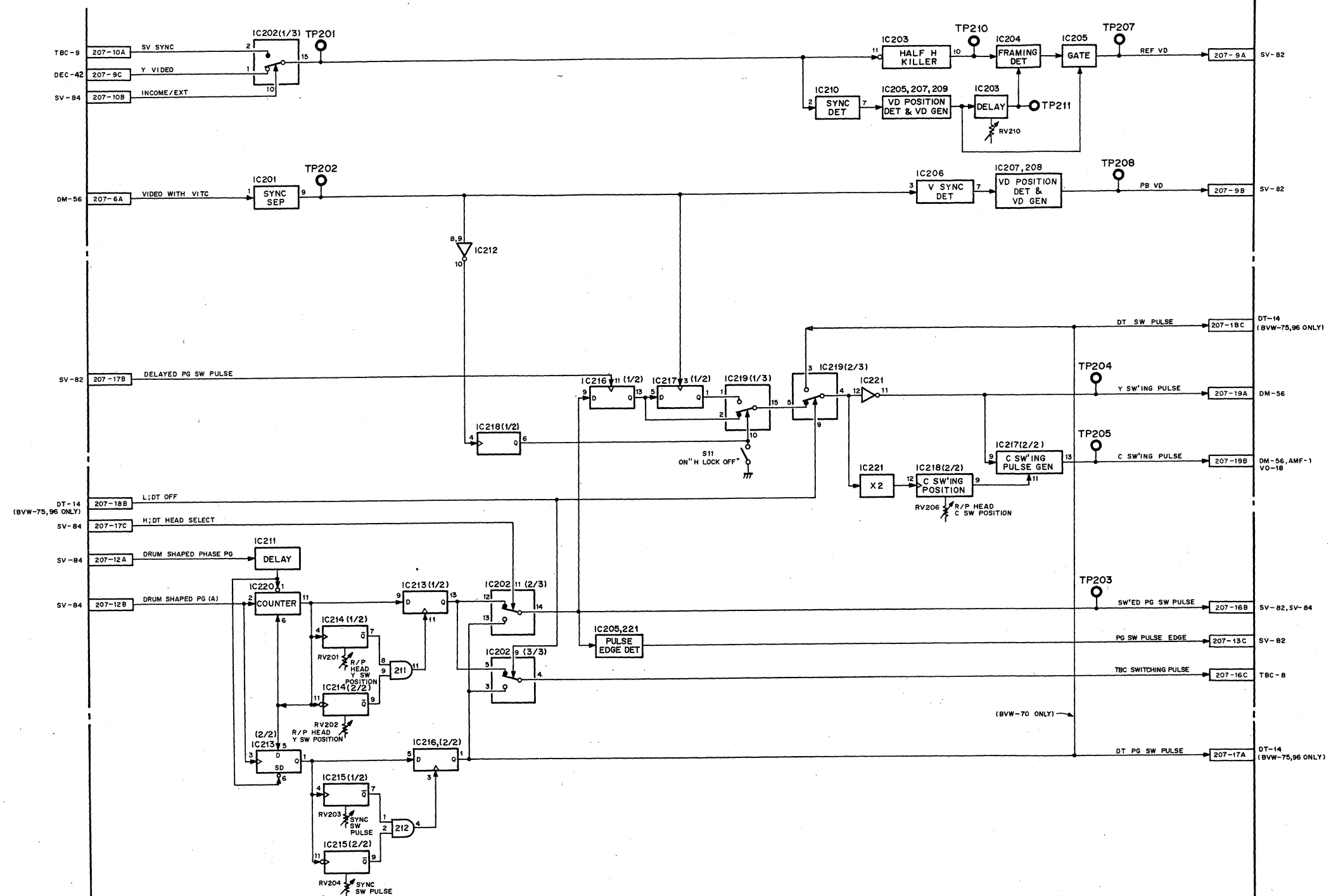
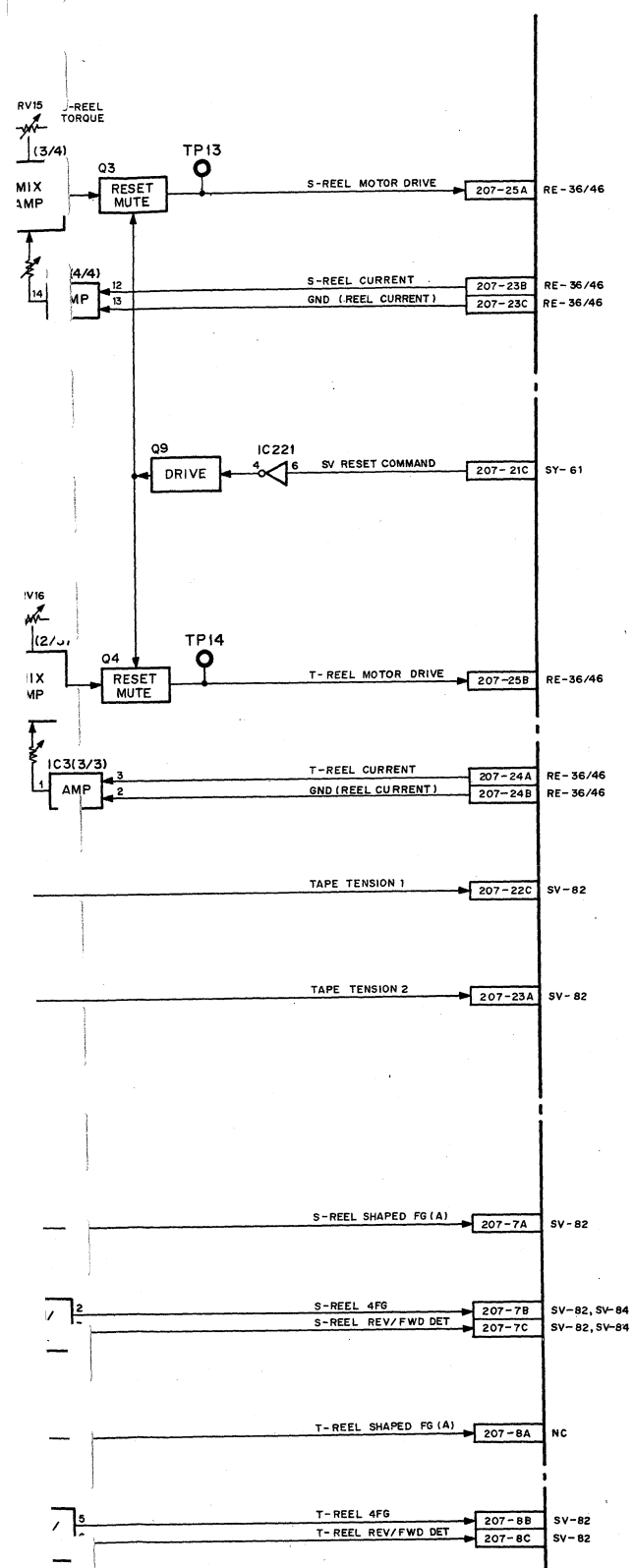
MICROCOMPUTER SERVO SYSTEM





REEL SERVO

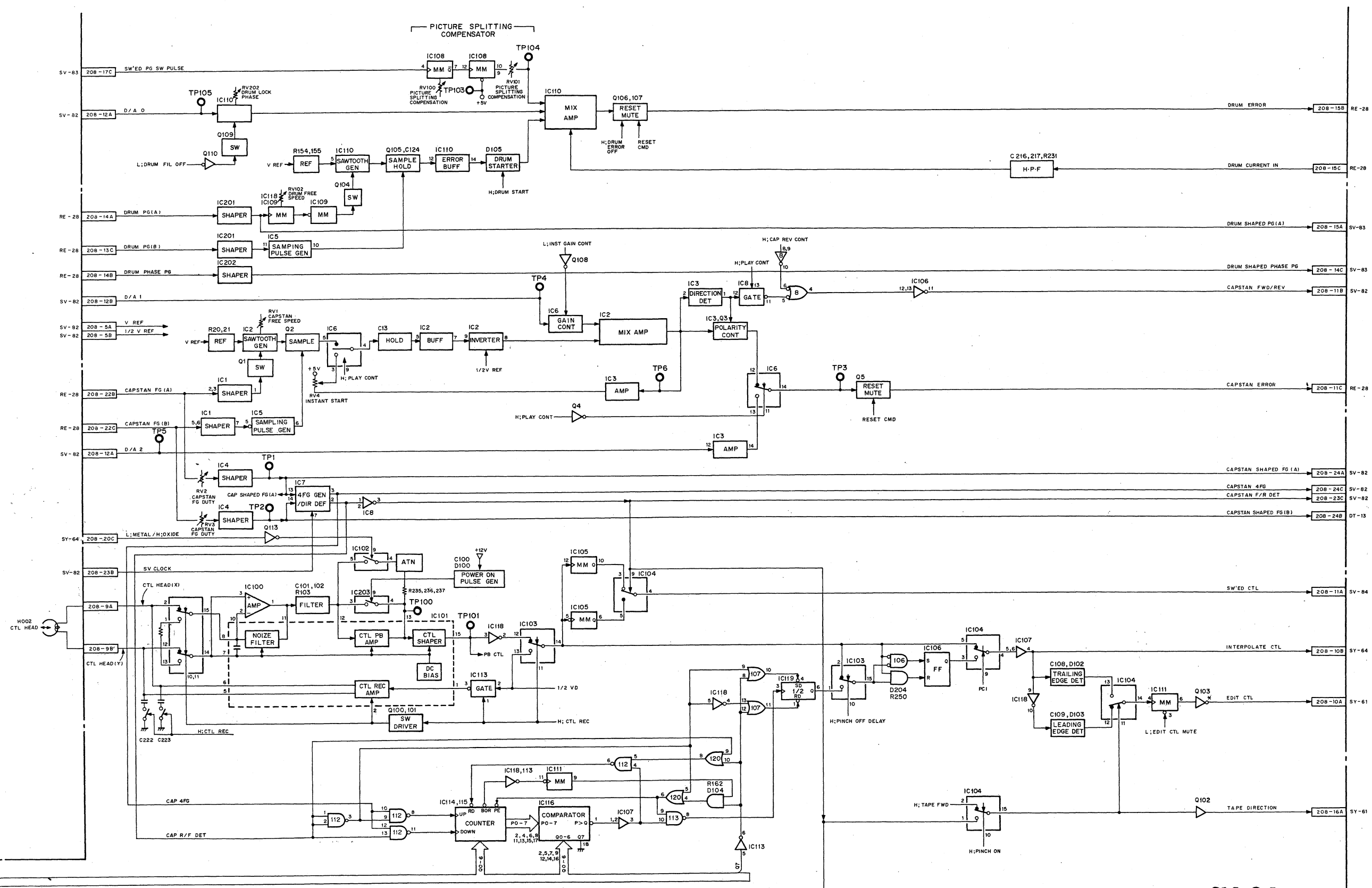




SV-83/83A

BVW-75 ---- SV-83
 BVW-70 ---- SV-83A
 BVW-96 ---- SV-83

DRUM/CAPSTAN SERVO DRUM/CAPSTAN SERVO



SV-84

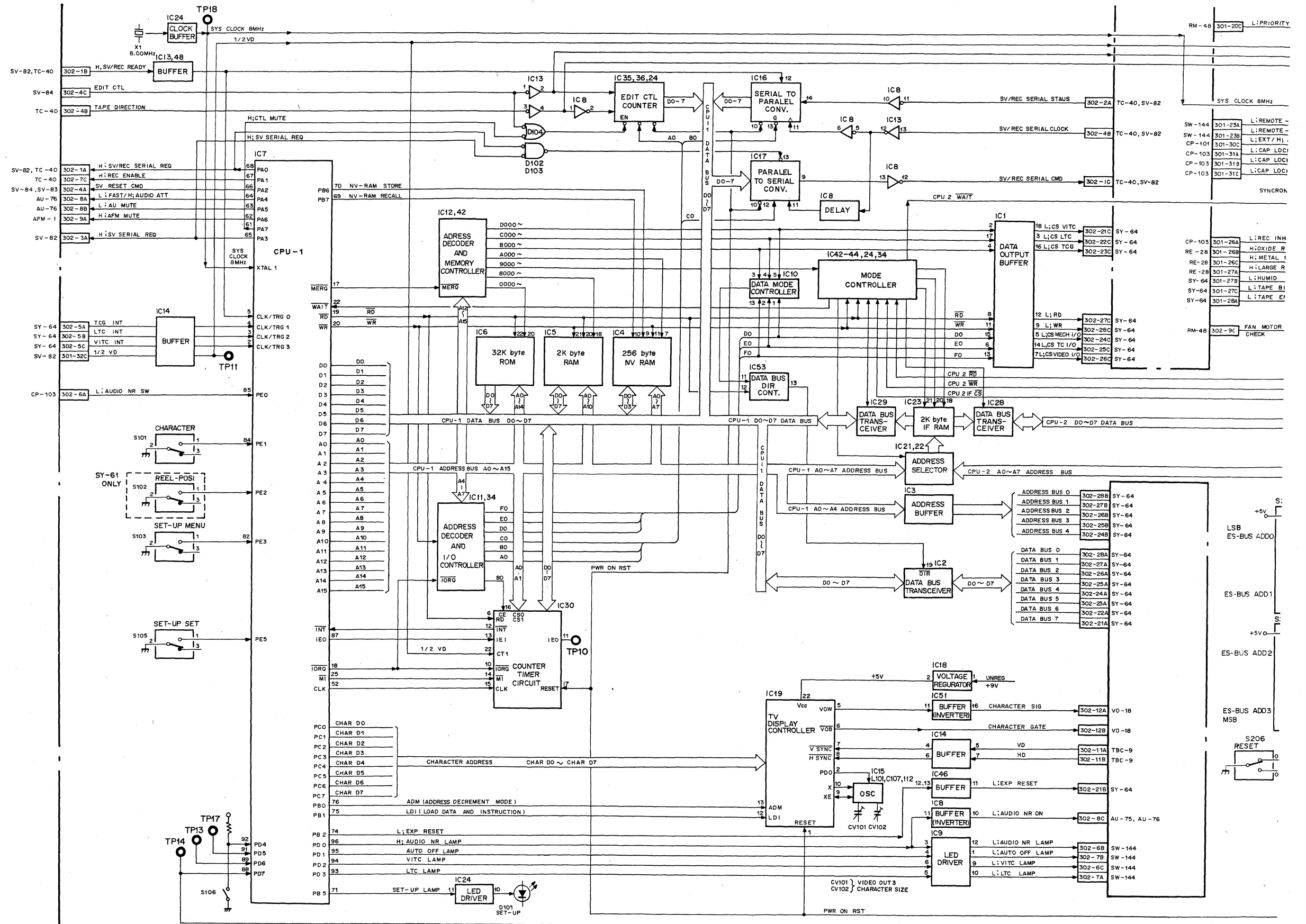
SVW-75
SVW-60
SVW-65
SVW-70
SVW-95
SVW-96

SYSTEM CONTROL SYSTEM CONTROL

SYSTEM CONTROL

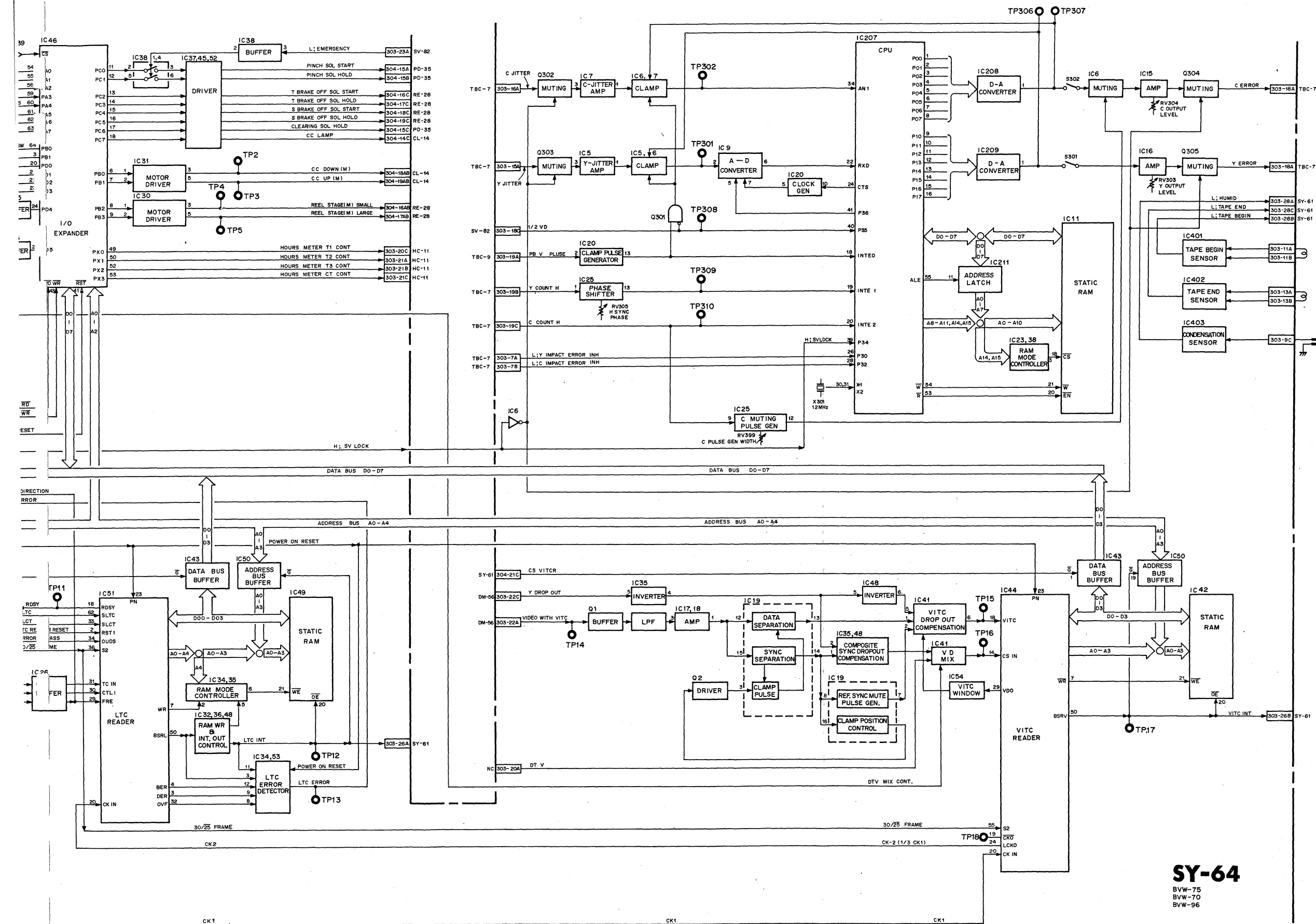
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC39 32k → 64k A0~A14 → A0~A15	UC: S/N 13176 ~ J: S/N 11204 ~



I/O EXPANDER
TIME CODE READER/GENERATOR
TIME BASE IMPACT ERROR CORRECTOR

TIME CODE TIME CODE



15-75(a)

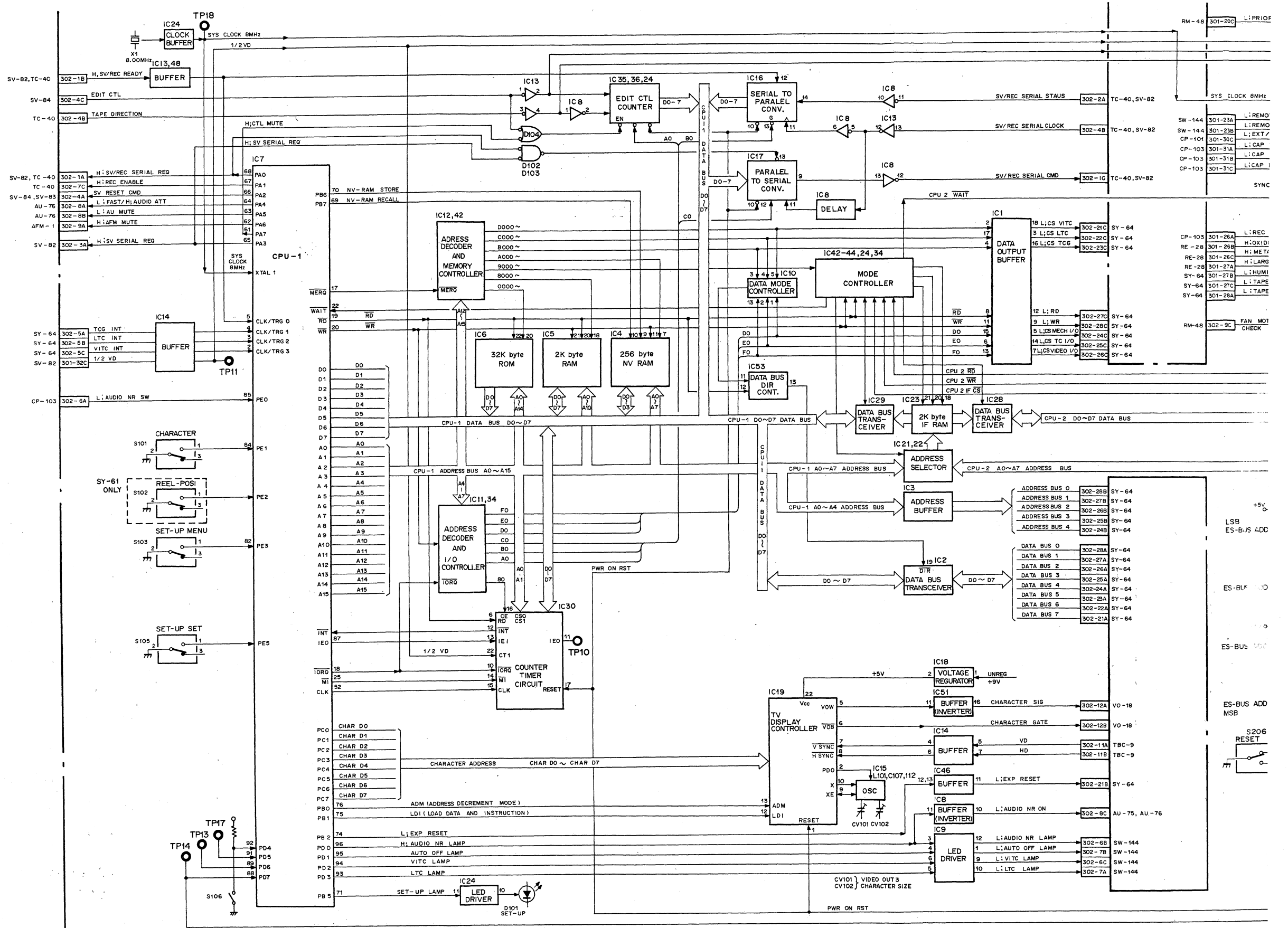
15-76(a)

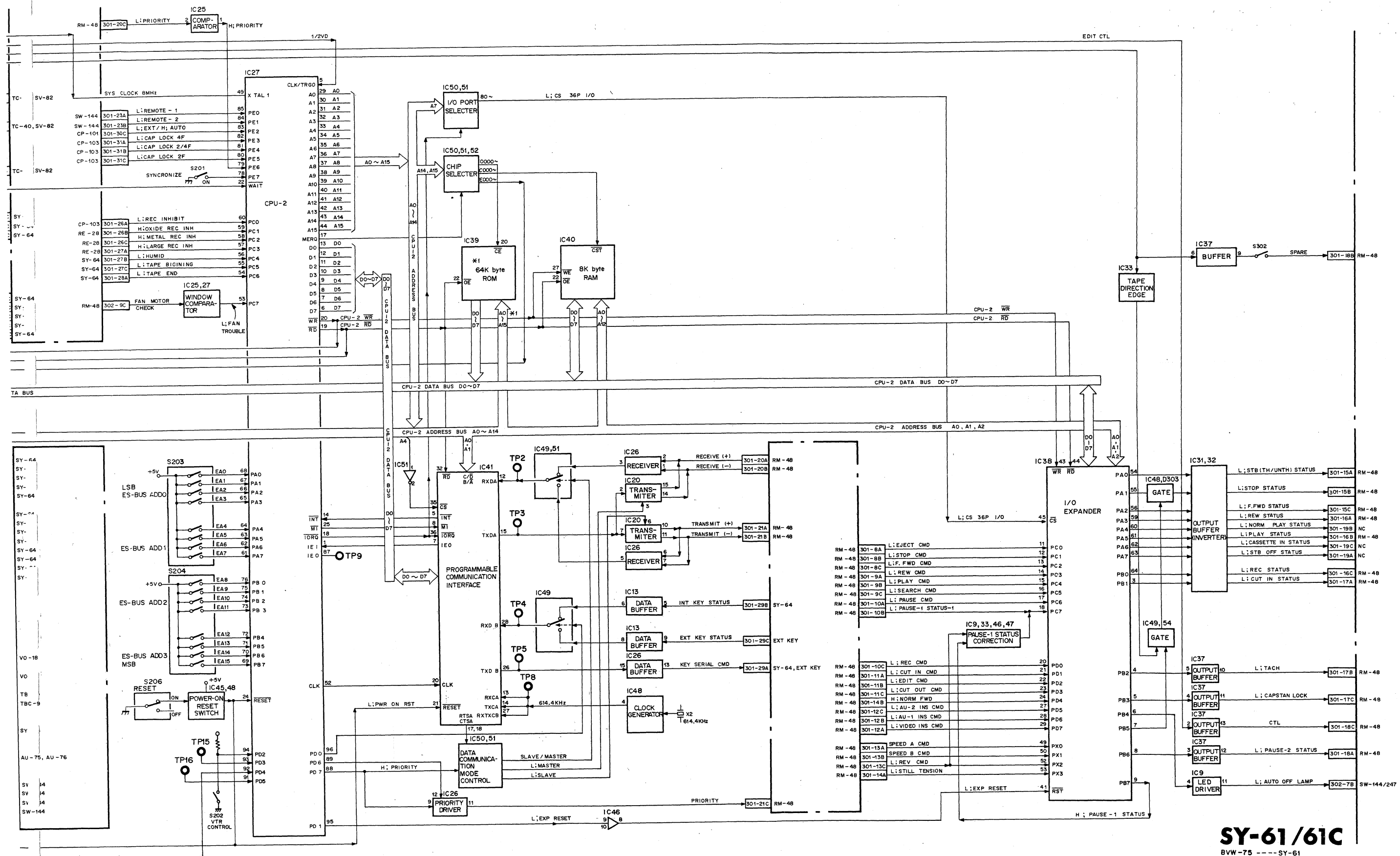
SY-64
BVW-75
BVW-70
BVW-96

SYSTEM CONTROL	SYSTEM CONTROL
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SYSTEM CONTROL

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC39 32k → 64k A0~A14 → A0~A15	UC: S/N 13176 ~ J: S/N 11204 ~



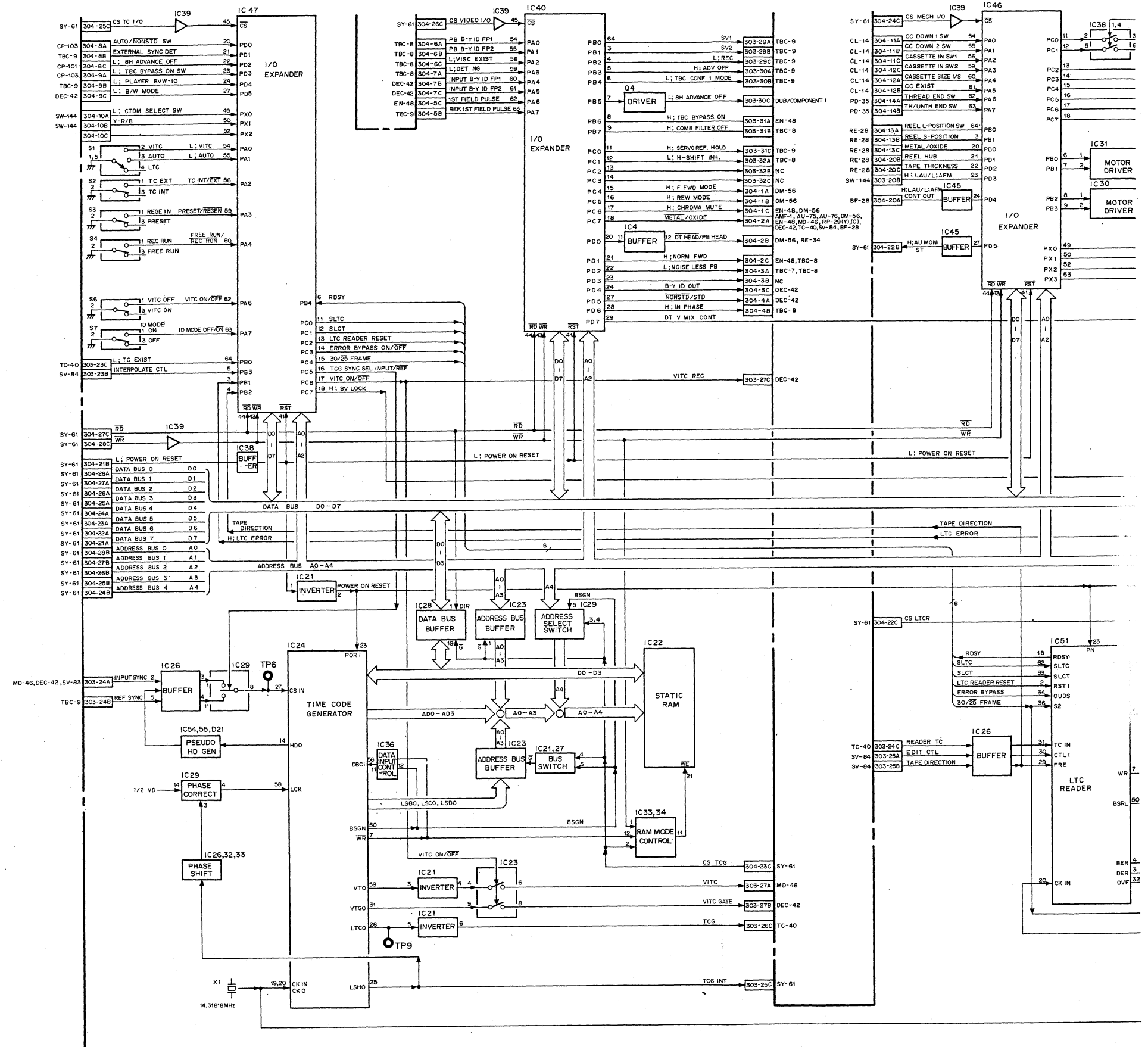


SY-61/61C

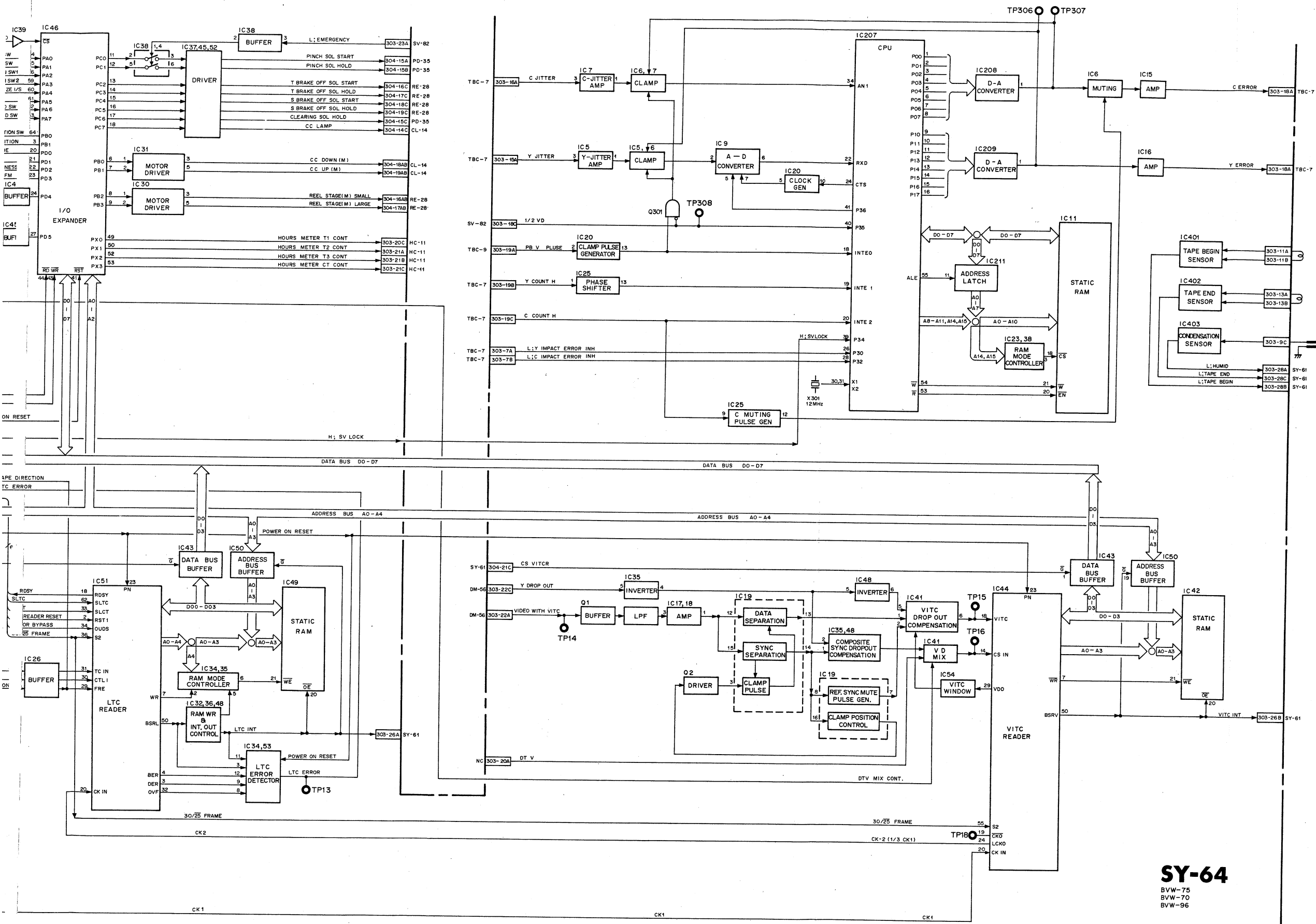
BVW-75 ---- SY-61
BVW-70 ---- SY-61
BVW-96 ---- SY-61C

I/O EXPANDER
TIME CODE READER/GENERATOR
TIME BASE IMPACT ERROR CORRECTOR

UC; S/N 13411 and higher
J; S/N 11404 and higher



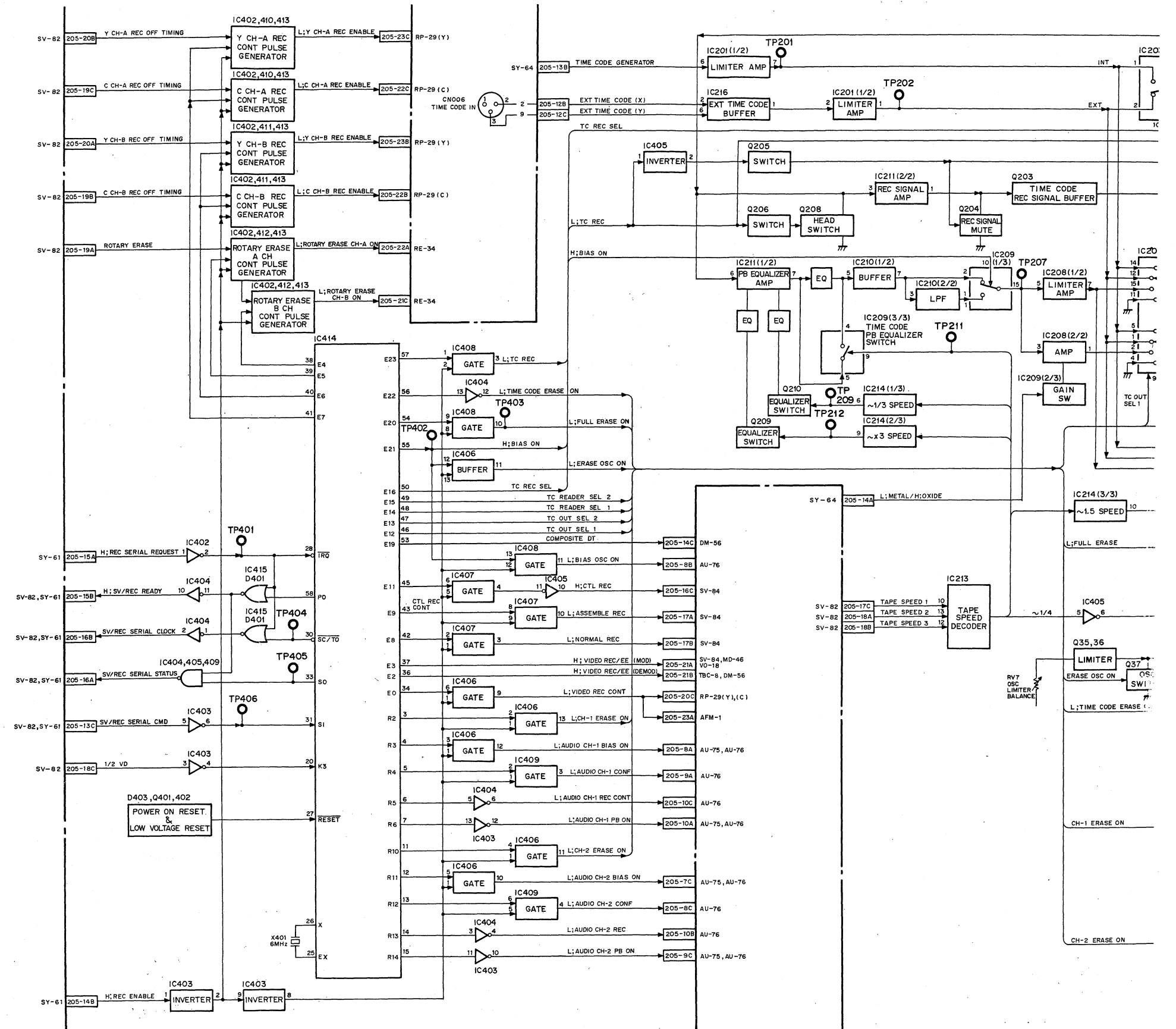
TIME CODE TIME CODE



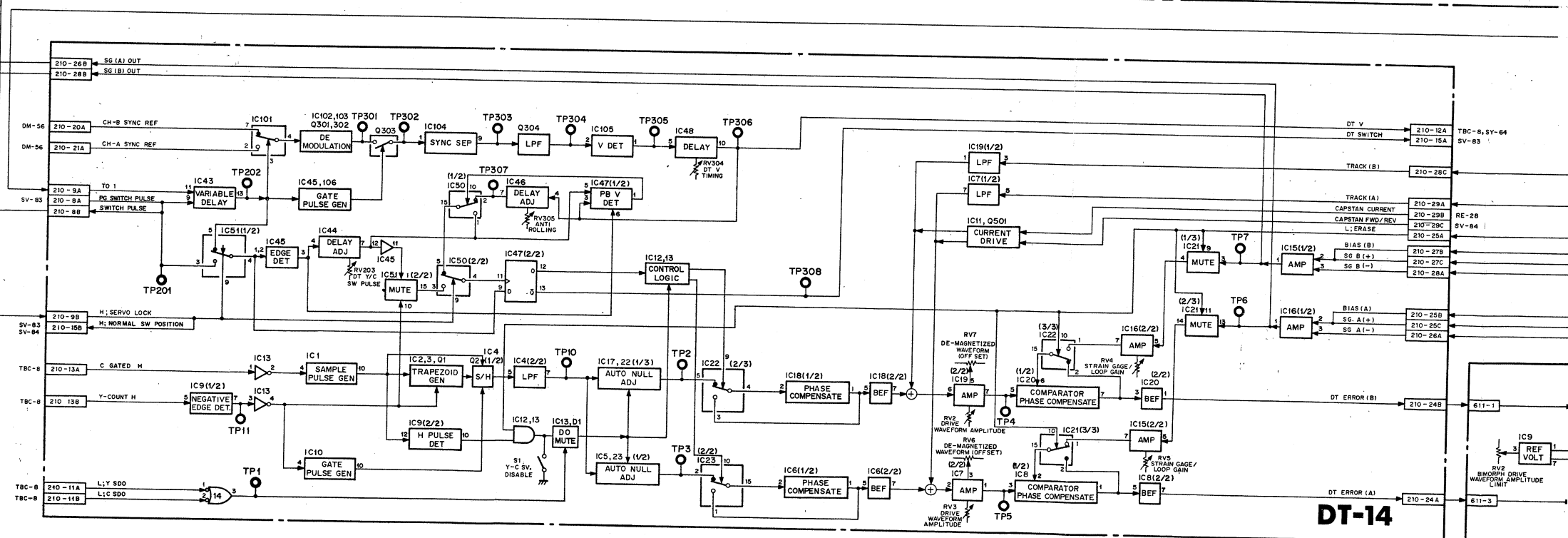
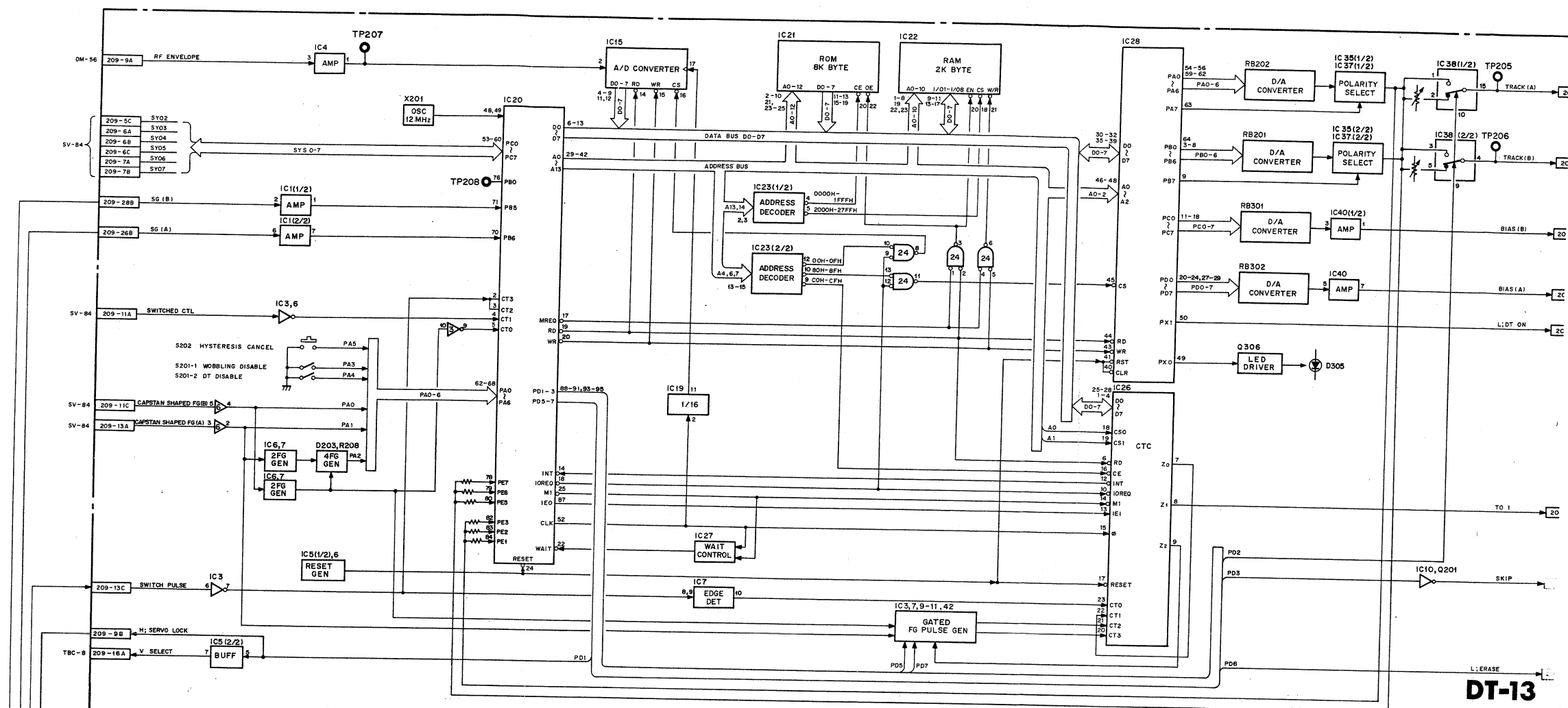
SY-64

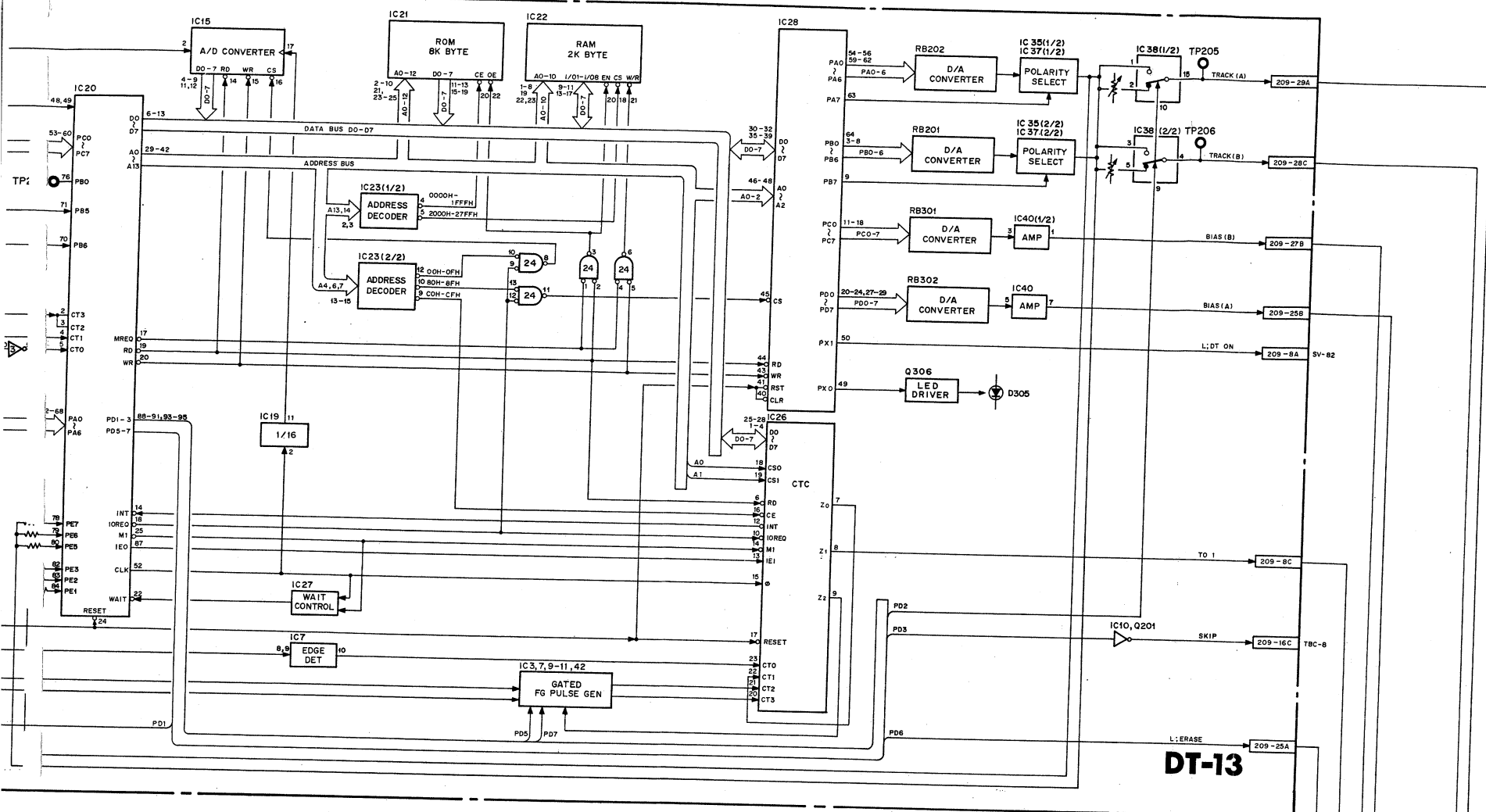
BVW-75
BVW-70
BVW-96

LTC REC/PB AMPLIFIER

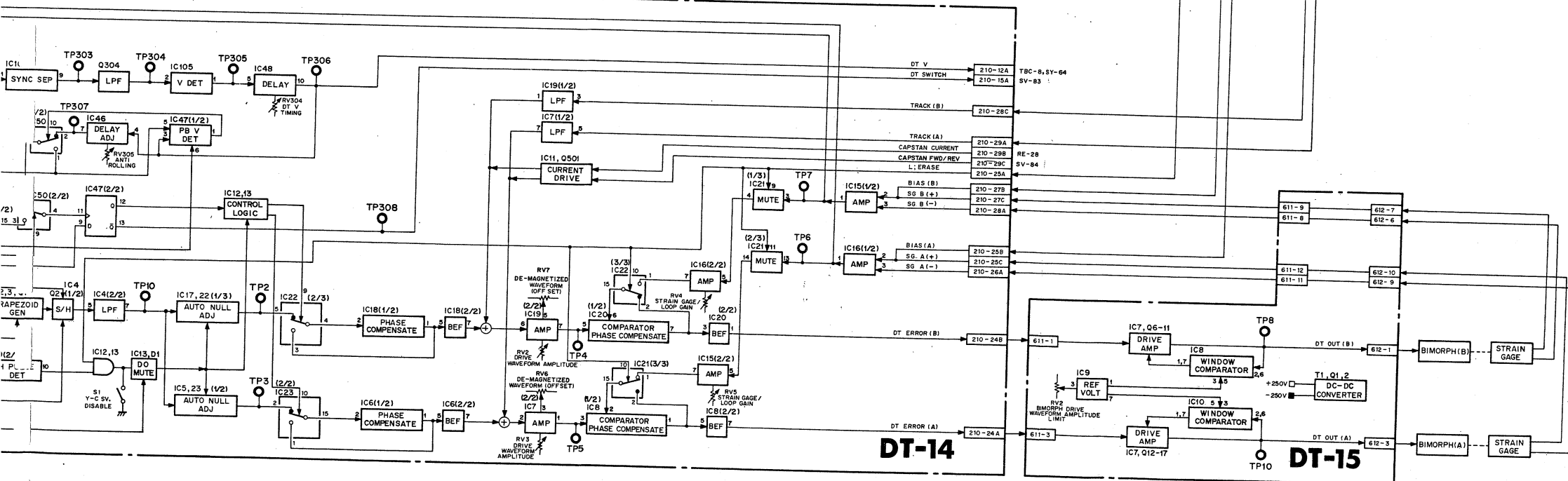








DT-13



DT-14

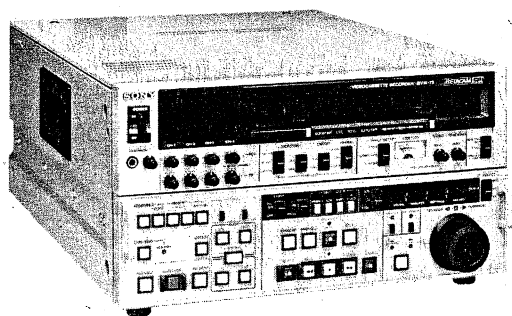
DT-15

DYNAMIC TRACKING
BVW-75 BVW-65
BVW-96 BVW-95

SONY

VIDEOCASSETTE RECORDER

BVW-75



BETACAM SP™

MAINTENANCE MANUAL

Volume 2 6th Edition (Revised 11)

Serial No. 11104 and Higher (JAPAN)

Serial No. 13028 and Higher (USA CANADA)

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SECTION 16

SCHEMATIC DIAGRAM

CIRCUIT CONFIGURATION

The circuit information is provided below.

System	Board	Circuit function	System	Board	Circuit function
VIDEO	DEC-27	Y/C Separator	AUDIO	AFM-1	AFM Audio Modulator/Demodulator
	DEC-42	C Decoder, C Compressor, Y Selector		FL-61	Low-Pass Filter
	CF-36	Color Framing Detector		CP-111	Audio Output
	DUS-273	R-Y Clamp Level Adj.		CP-161A	Amplifier/Driver
	MD-46	Y/C Modulator		CP-113	Audio Balanced Amplifier
	DUS-272Y *1	Y Non-Linear Preemphasis		HP-33	Headphones Amplifier/Jack
	DUS-272C *1	C Non-Linear Preemphasis		VR-62	Headphones Level Volume
	RP-29(Y)	Y REC/PB Amplifier		DP-74	Audio Level Meter
	RP-29(C)	C REC/PB Amplifier		DP-73	DC-AC/DC Converter
	DM-56	Y/C Demodulator		SW-144	Select Switch/Display
	TBC-7	Time Base Corrector		DP-72	Video/RF Meter LED
	TBC-8	Time Base Corrector		VR-61	Video/Tracking Control Volume
	NR-25	Y Digital Noise Reduction	SERVO	SV-82	Microcomputer
	TBC-9	Time Base Corrector		SV-83	Reel Servo
	EN-48	C Encoder		SV-84	Capstan/Drum Servo
	VO-18	Video Output		RE-28	Capstan/Drum Motor Driver
	DUS-270	Squelch Buffer		PTC-20	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	RE-34	Rotary Erase		PTC-21	Reel Table Position Detector
	CP-103	Sub Control Panel		PTC-23	REC Inhibit Detector
	CP-101	Video/Audio Input		PTC-36	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
AUDIO	BF-28	Audio Buffer/Level Detector		DR-56	Drum Error Amplifier, Capstan/Reel Motor Driver
	VR-42	Audio REC/PB Volume		RE-36	Reel Motor Driver
	AU-75	LNG Audio REC/PB Amplifier		RM-40	Reel Motor
	AU-76	LNG Audio Head Amplifier, Bias Oscillator		DE-15	Reel Motor FG
				SE-57	Threading Motor Control
				PTC-31	Threading Motor FG

System	Board	Circuit function
SERVO	TR-18	Tape Tension Sensor
	DT-13	Dynamic Tracking
	DT-14	Dynamic Tracking
	DUS-282	Strain Gage Buffer
	DT-15	Dynamic Tracking
SYSTEM CONTROL	SY-61	System Control
	DUS-570	Fan Motor Error Detector
	SY-64	Time Code Reader/ Generator
	RM-48	Remote Connector
	PD-35	Pinch/Cleaning Solenoid
	PTC-15	Thread/Unthread End Sensor
	CL-14	Cassette-up Compartment
	CL-24 *2	Cassette-up Compartment LED
	PC-47	Large/Small Cassette Detector
	PC-33	Cassette Down Detector
	PC-41	Cassette In Detector
	CCM-2	Up/Down Motor
	HC-11	Hours Meter
	KY-96	Keyboard
	KY-107	Keyboard
	KY-108	Keyboard
	PTC-32	Search Dial
	DP-71	Time Counter Display
	PT-9	Power Transistor
	TC-40	LTC REC/PB Amplifier, Erase Driver
OTHERS	AC-96	Relay Board of AC Inlet
	C1	Switching Regulator
	C2	Switching Regulator
	M1	Switching Regulator
	M2	Switching Regulator
	MB-116	Mother Board
	MB-117	Mother Board
	EX-116	Extension Board
	EX-134	Extension Board
	EX-151	Extension Board

NOTE

回路図内において、REF.NOの近傍に下記記号が記載されていますが、これは生産時の部品データです。

In the schematic diagrams, the following marks are described nearby reference number. These are parts data at factory.

CAPACITOR (C)

RESISTOR (R)

VARIABLE RESISTOR (RV)

AL — ELECTROLYTIC
AS —
TA — TANTALUM
CA — CERAMIC
CC —
CCS —
CM —
CS —
MPS — MAYLAR
PP —
PS —
PT —
MD — DIPPED MICA
MS — MICA

RC — CARBON
RD —
RF — FUSE
RN — METAL
RS —
RW — WIREWOUND

*1...Serial No. up to 14368 (UC)

Serial No. up to 11668 (J)

*2...Serial No. 15552 and higher (UC)

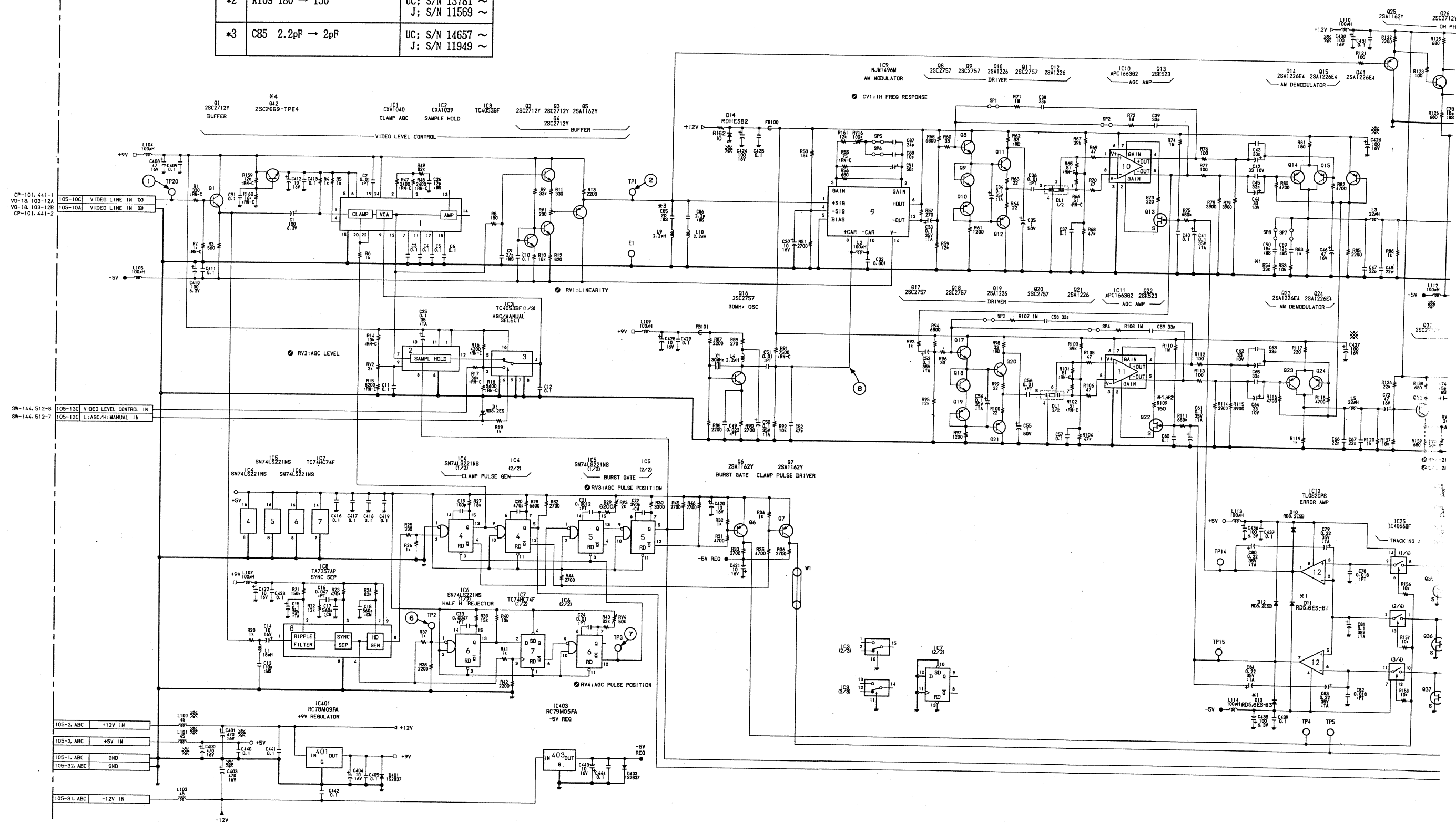
Serial No. 12319 and higher (J)

DEC-27 (1/2); Y/C SEPARATOR

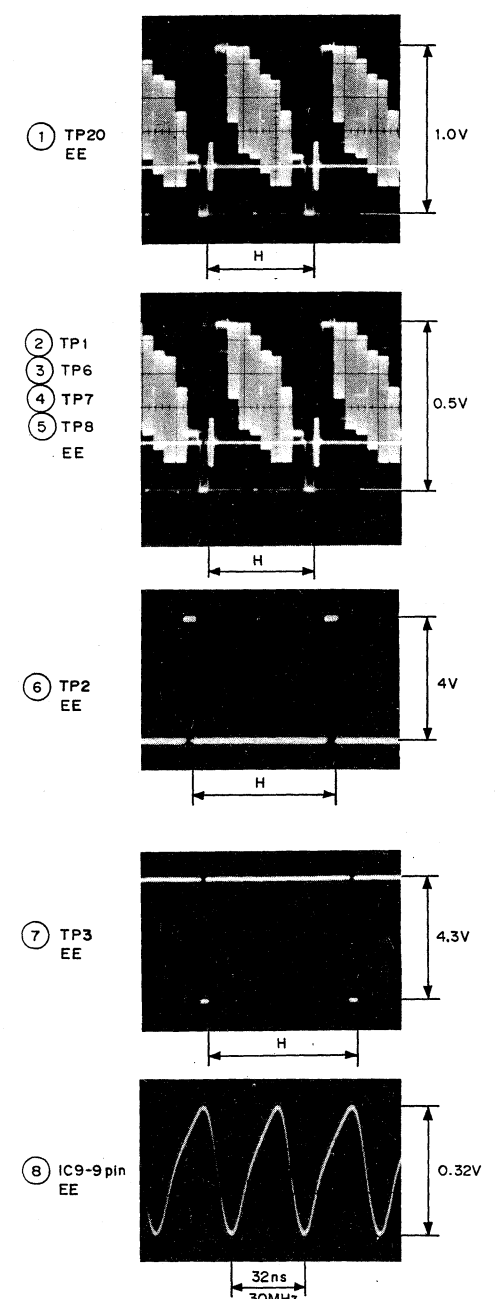
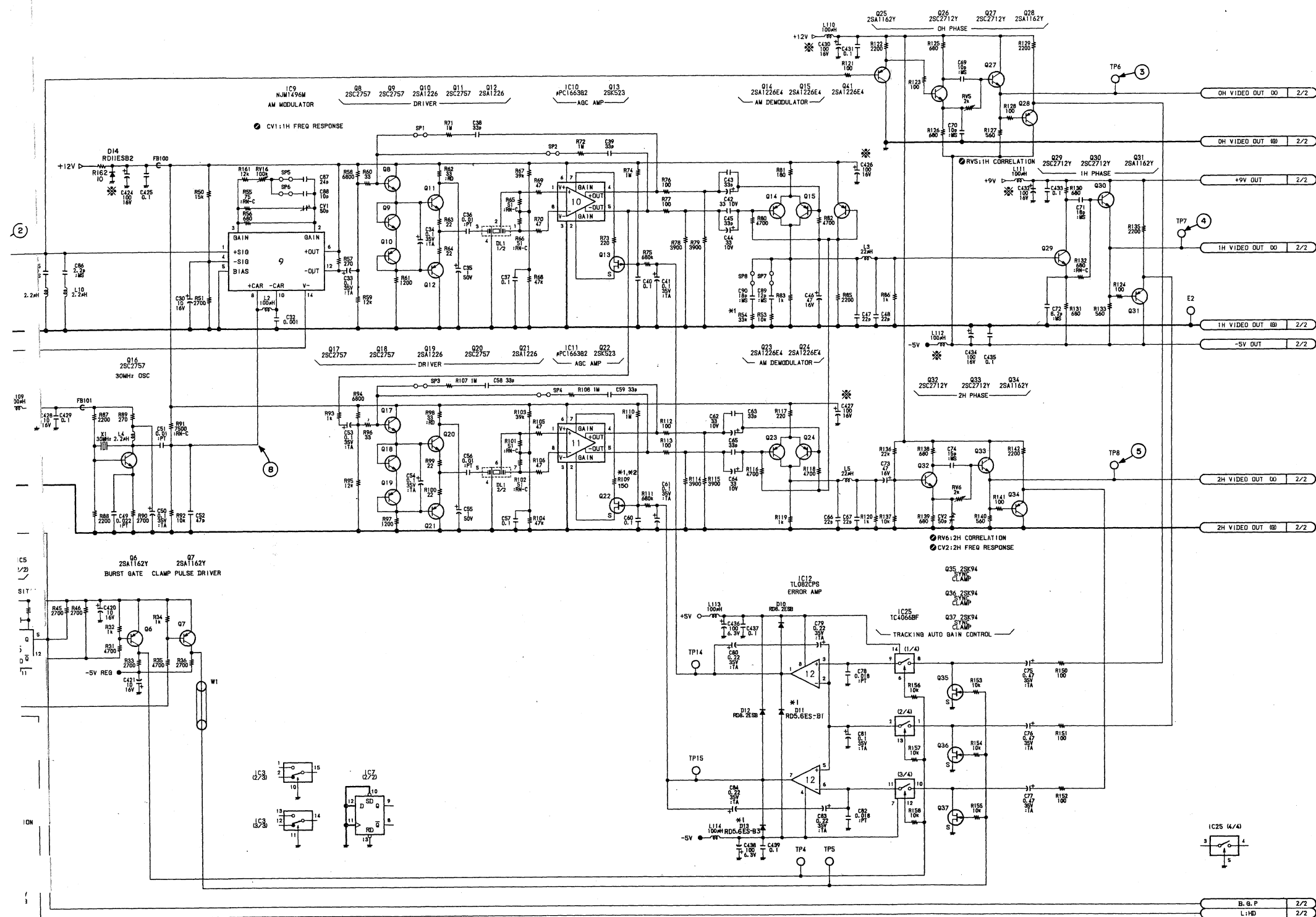
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	D11 RD6.2ESB → RD6.2ESB1 D13 RD6.2ESB → RD6.2ESB3 R54 33k DELETED R109 220 → 180	UC; S/N 13176 ~ J; S/N 11204 ~
*2	R109 180 → 150	UC; S/N 13781 ~ J; S/N 11569 ~
*3	C85 2.2pF → 2pF	UC; S/N 14657 ~ J; S/N 11949 ~

MARK	CHANGE INFORMATION	SERIAL NO.
*4	Q42 2SC403SP → 2SC2669-TPE4	UC; S/N 16143 ~ J; S/N 12689 ~



OR TION	SERIAL NO.
2SC2669-TPE4	UC; S/N 16143 ~ J; S/N 12689 ~



DEC-27(1/2)
1-622-543-13, 14, 15
BVW-70
BVW-75
BVW-96

DEC-27 (2/2); Y/C SEPARATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C155 15pF → 24pF	UC; S/N 13176 ~ J; S/N 11204 ~
*2	Q78 2SC3326A ↓ 2SC2223-F13	UC; S/N 13226 ~ J; S/N 11304 ~
*3	C208 0 DELETED	UC; S/N 14657 ~ J; S/N 11949 ~
*4	RV20 50k → 100k	UC; S/N 15737 ~ J; S/N 12419 ~

MARK	CHANGE INFORMATION	SERIAL NO.
*5	C207 0.1 → 4700pF	UC; S/N 15894 ~ J; S/N 12589 ~

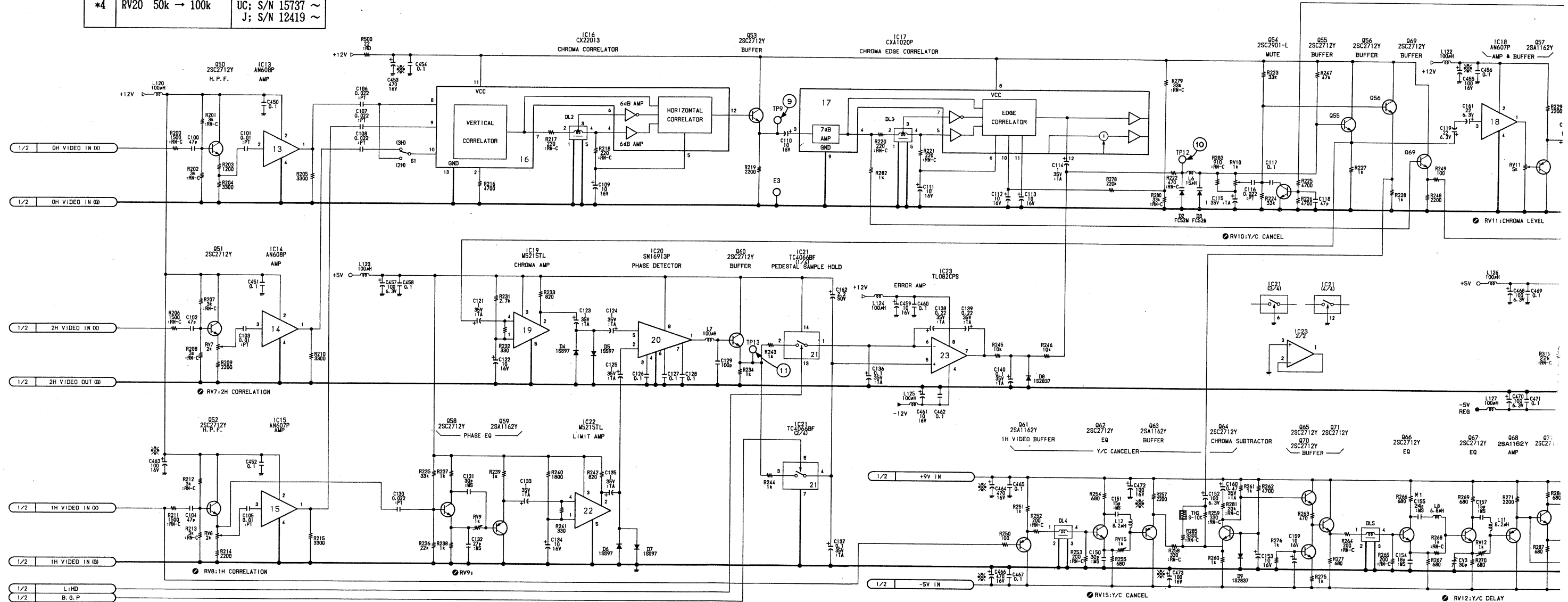
1

2

3

4

5



A

B

C

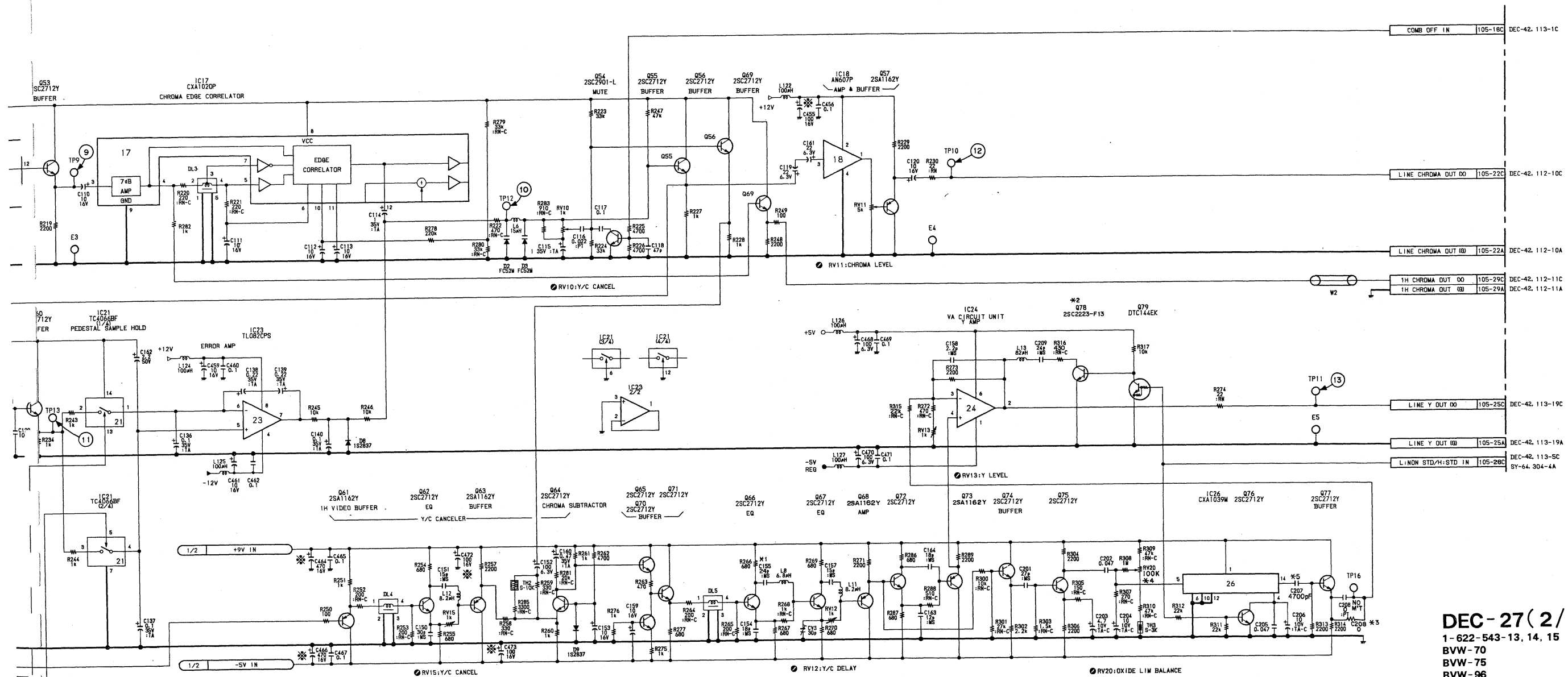
D

E

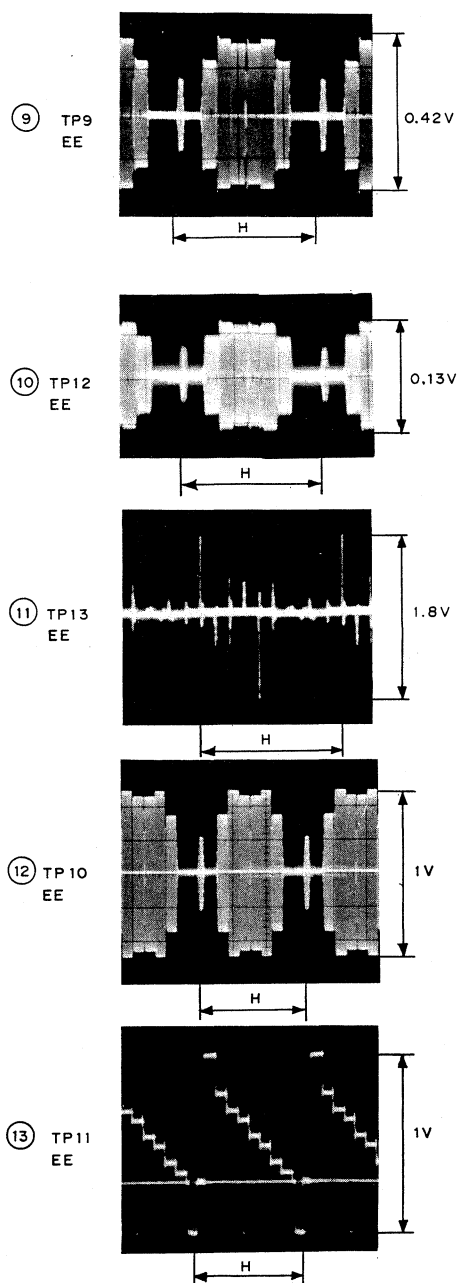
F

G

H



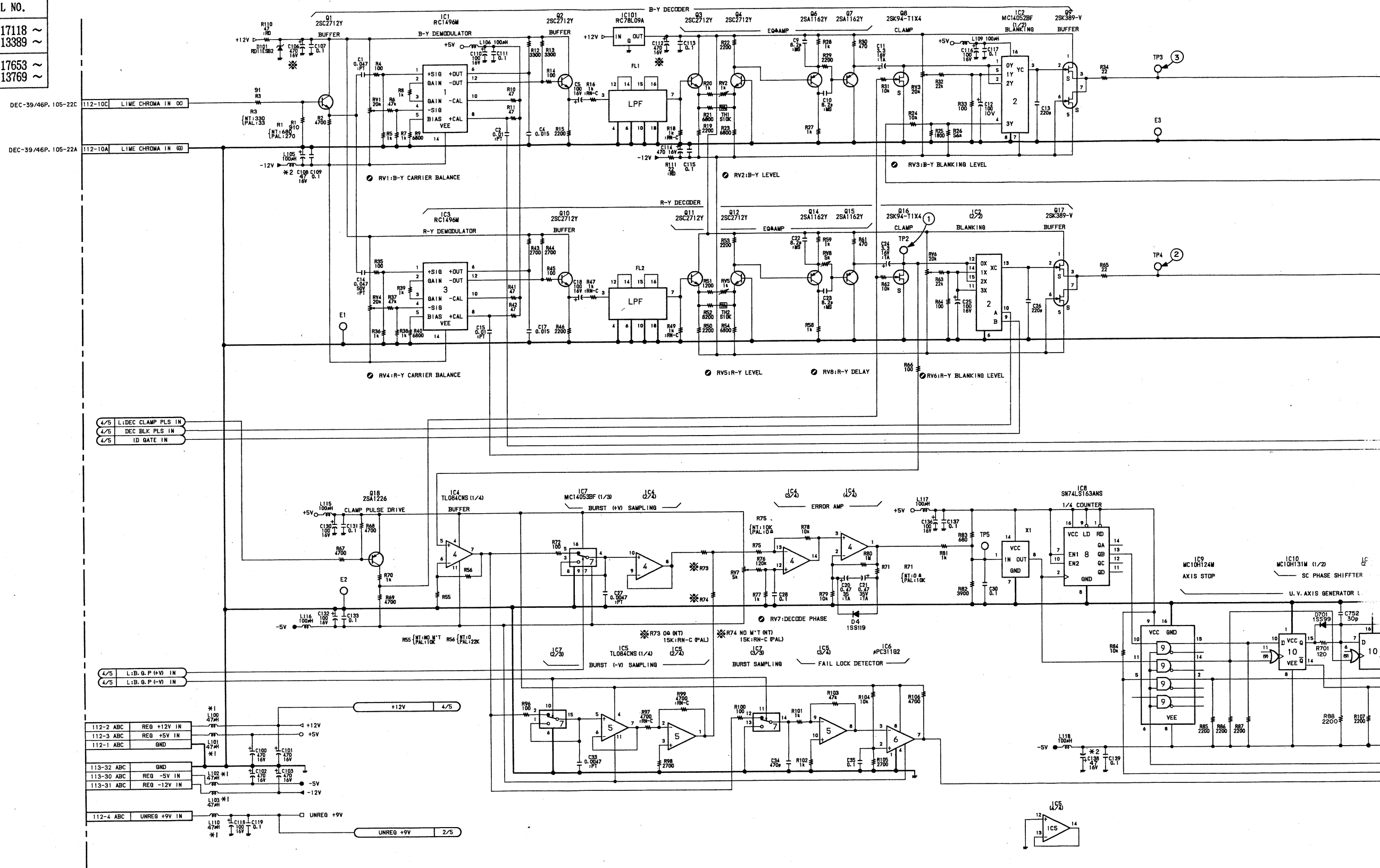
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1-622-543-13, 14, 15
BVW-70
BVW-75
BVW-96



DEC-42 (1/5); C DECODER

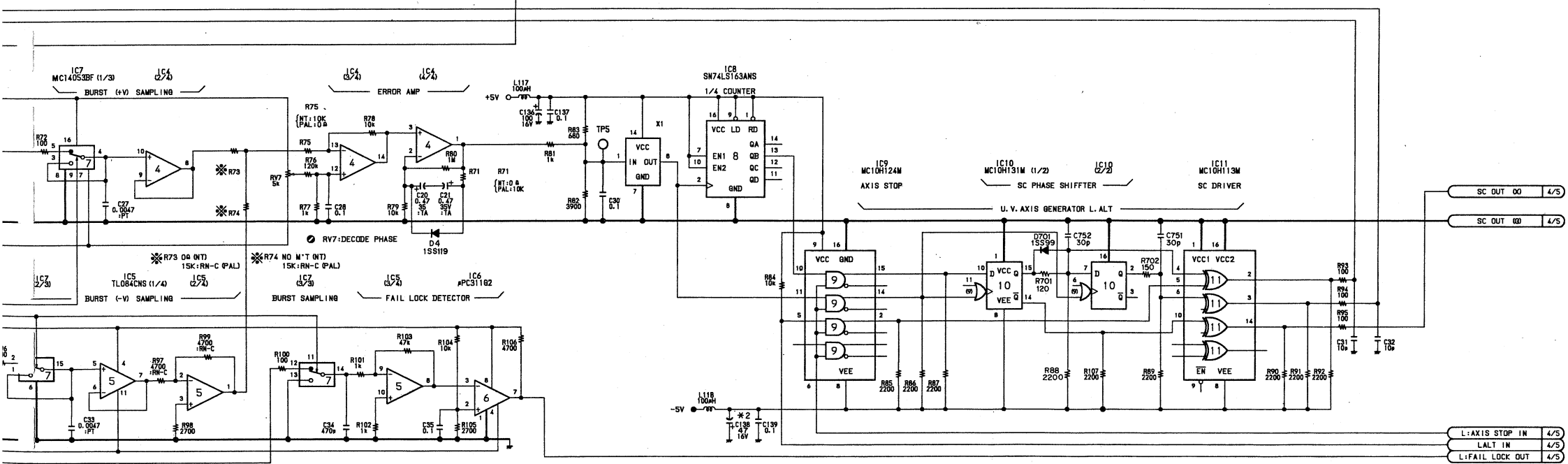
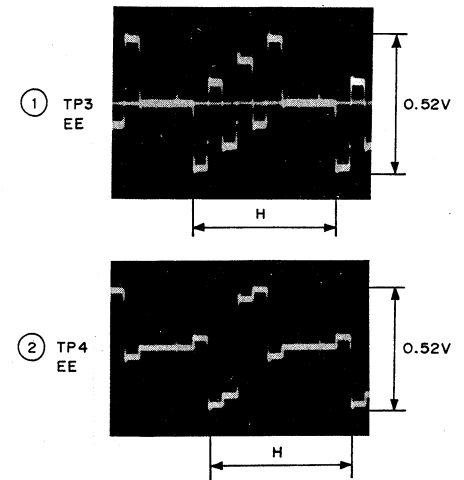
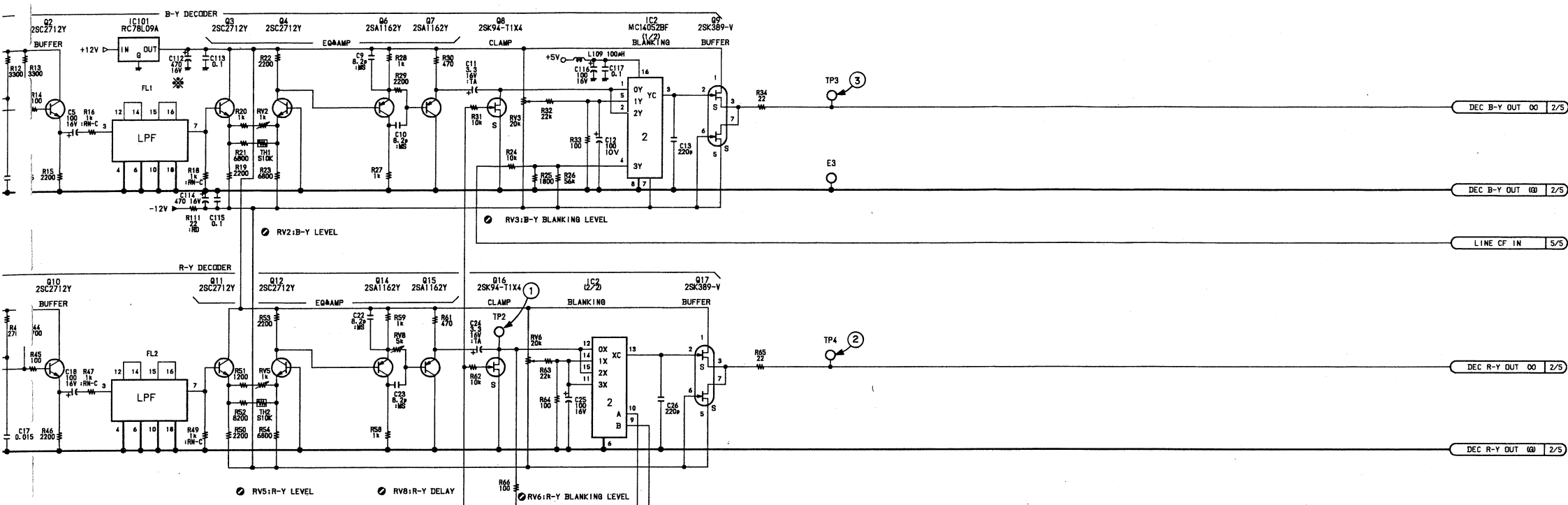
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	L100,101,102,103,110 45μH → 47μH	UC: S/N 17118 ~ J: S/N 13389 ~
*2	C108,138 100/16V → 47/16V	UC: S/N 17653 ~ J: S/N 13769 ~



16-18

16-19



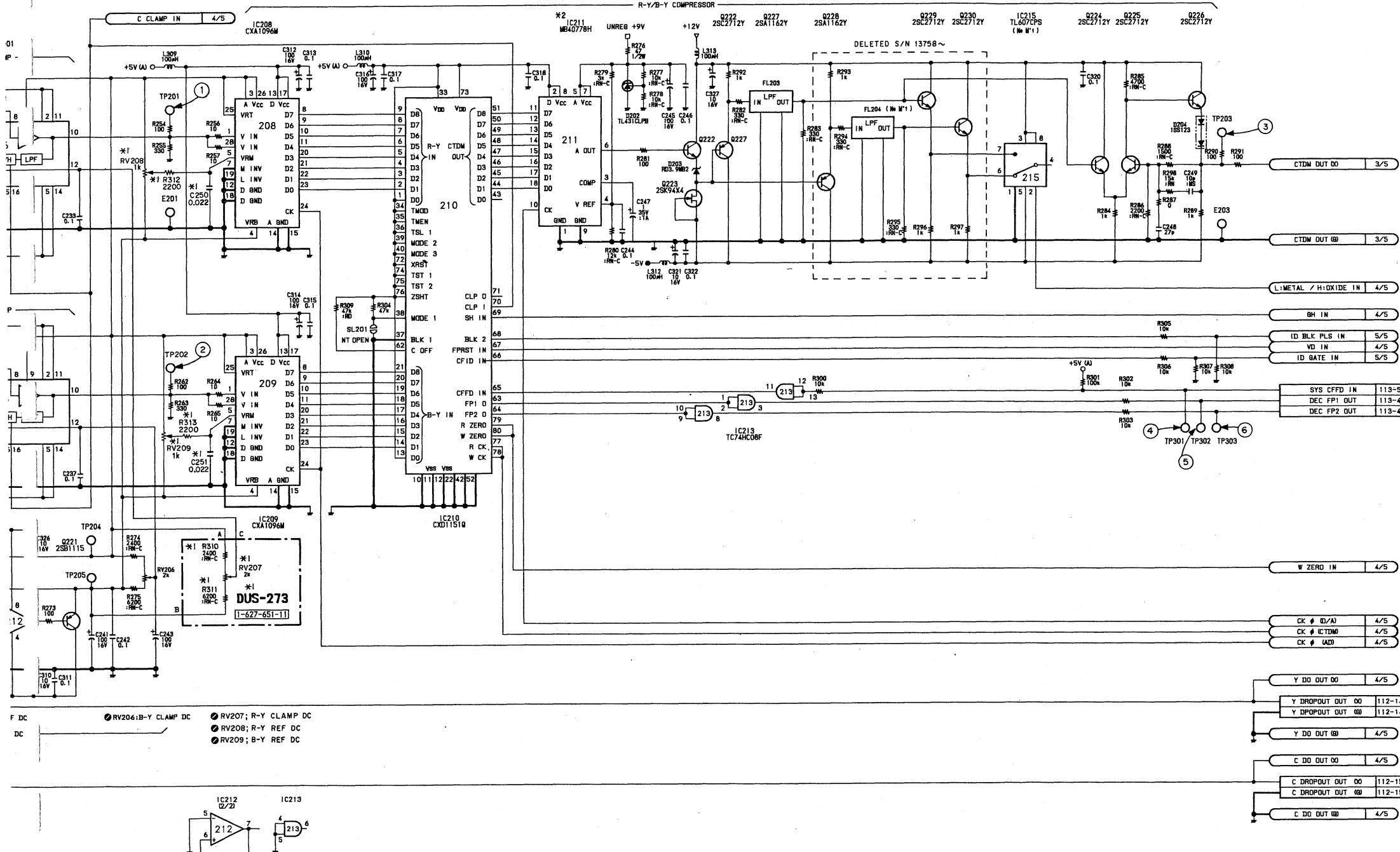
DEC-42(1/5)

1-625-947-11, 12, 13

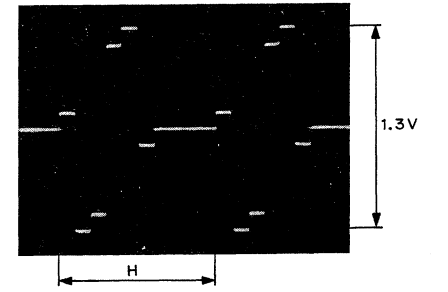
BVW-70

BVW-75

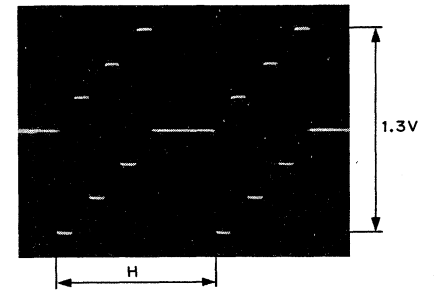
BVW-96



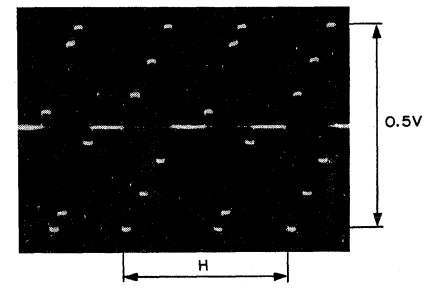
① TP201
EE



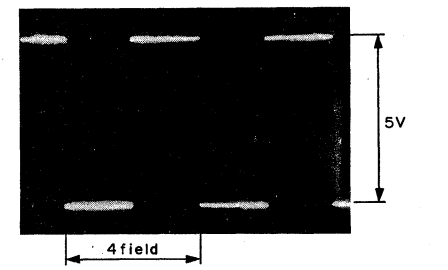
② TP202
EE



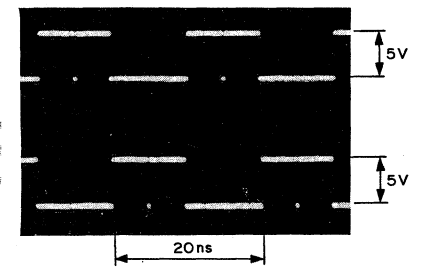
③ TP203
EE



④ TP301
EE



⑤ TP302
EE

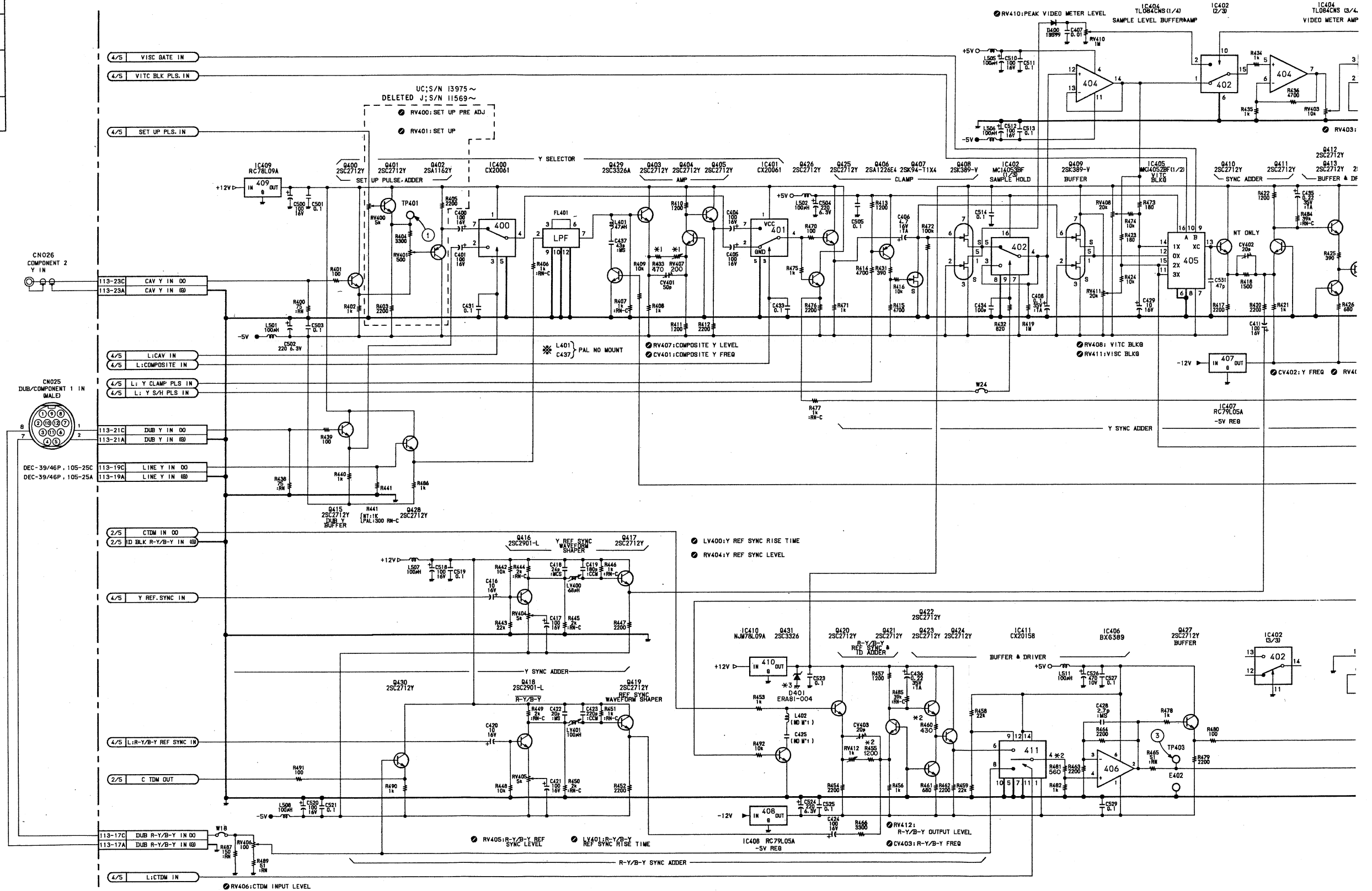


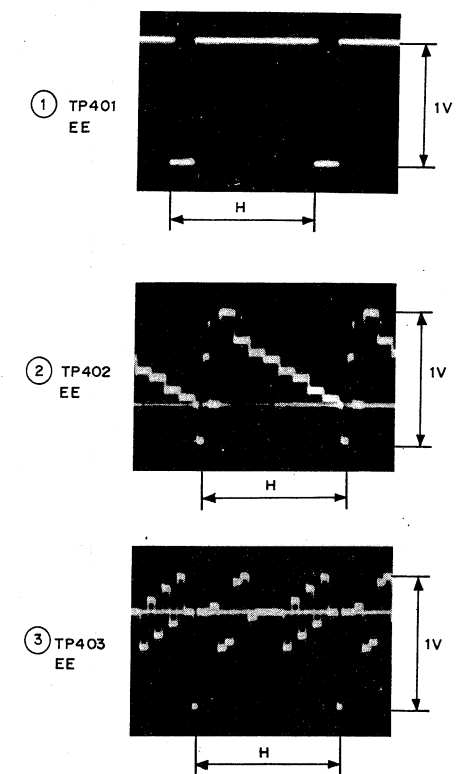
⑥ TP303
EE

DEC-42 (2/5)
1-625-947-11, 12, 13
BVW-70
BVW-75
BVW-96

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R433 180 → 470 RV407 1k → 200	UC; S/N 13326 ~ J; S/N 11304 ~
*2	R455 680 → 1200 R460 390 → 430 R481 1k → 560	UC; S/N 15472 ~ J; S/N 12239 ~
*3	D401 ADDED	UC; S/N 16325 ~ J; S/N 12754 ~



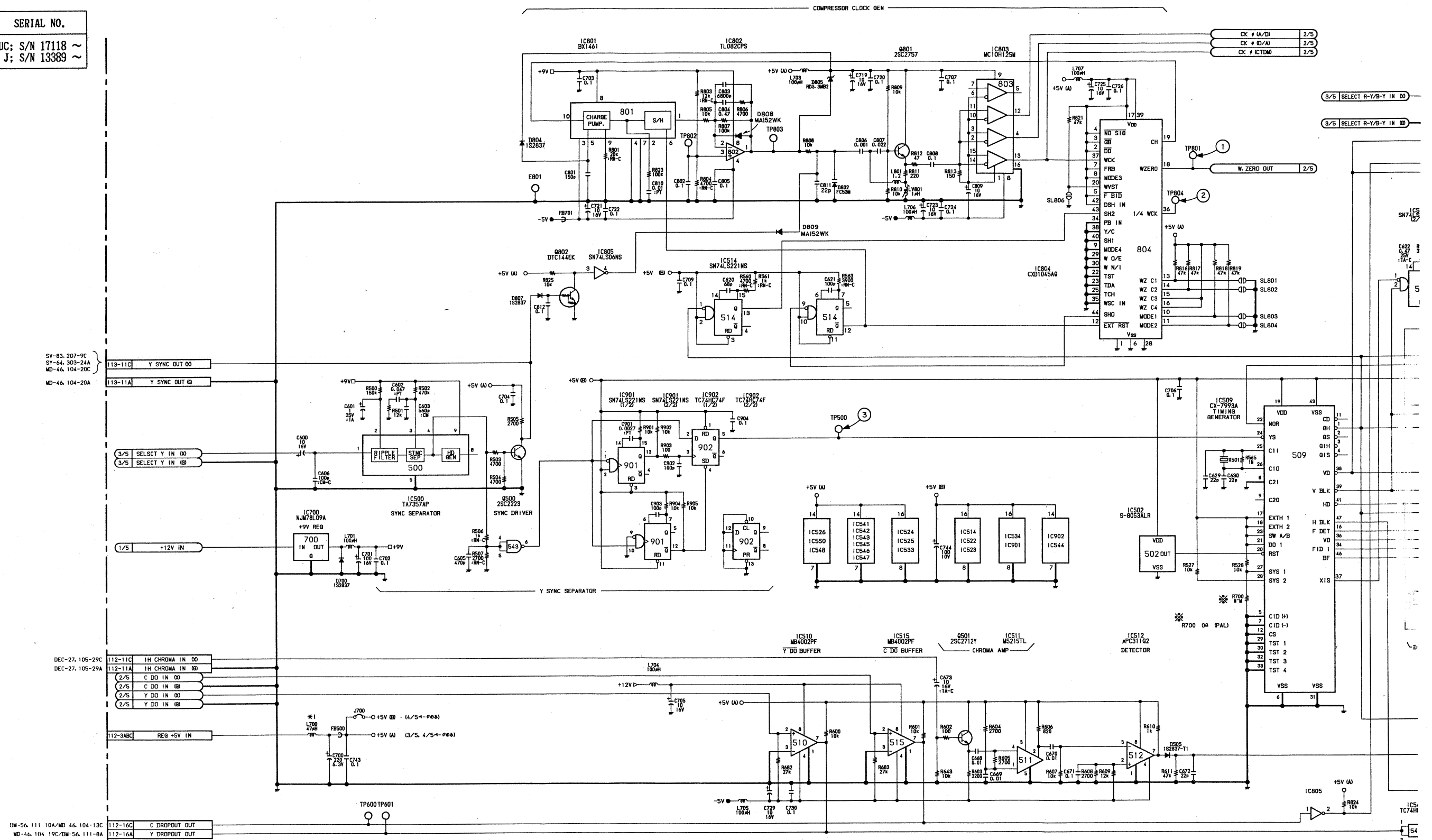


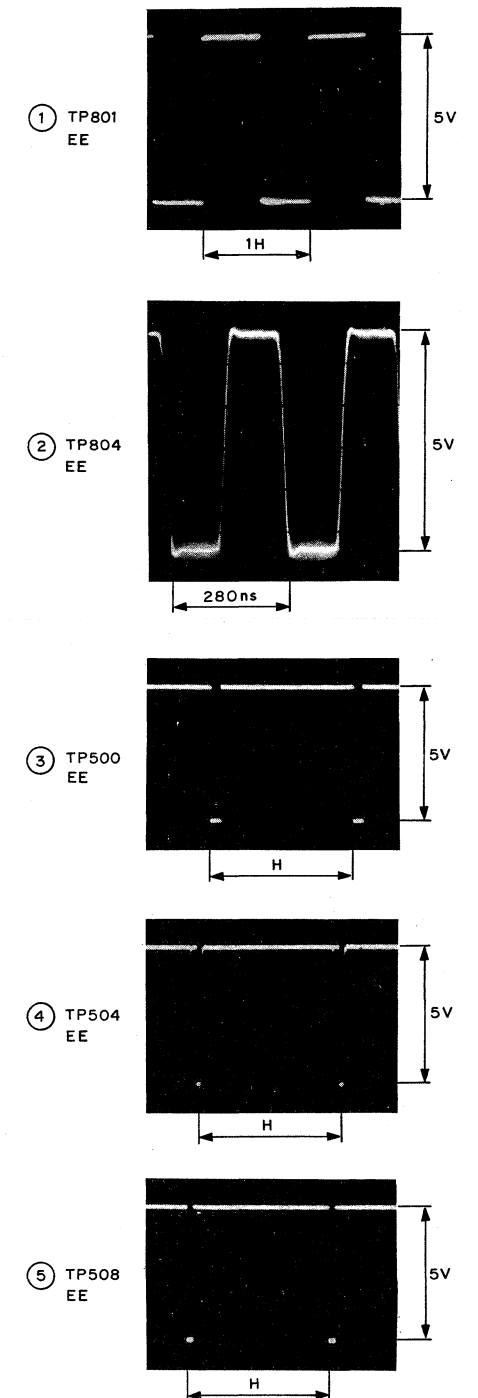
BVW-96

DEC-42 (4/5); TIMING GENERATOR

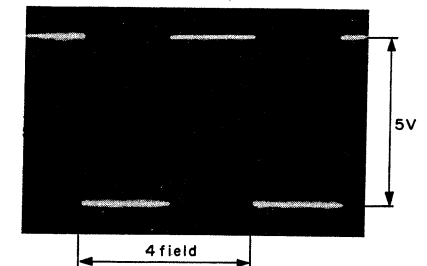
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
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16-42



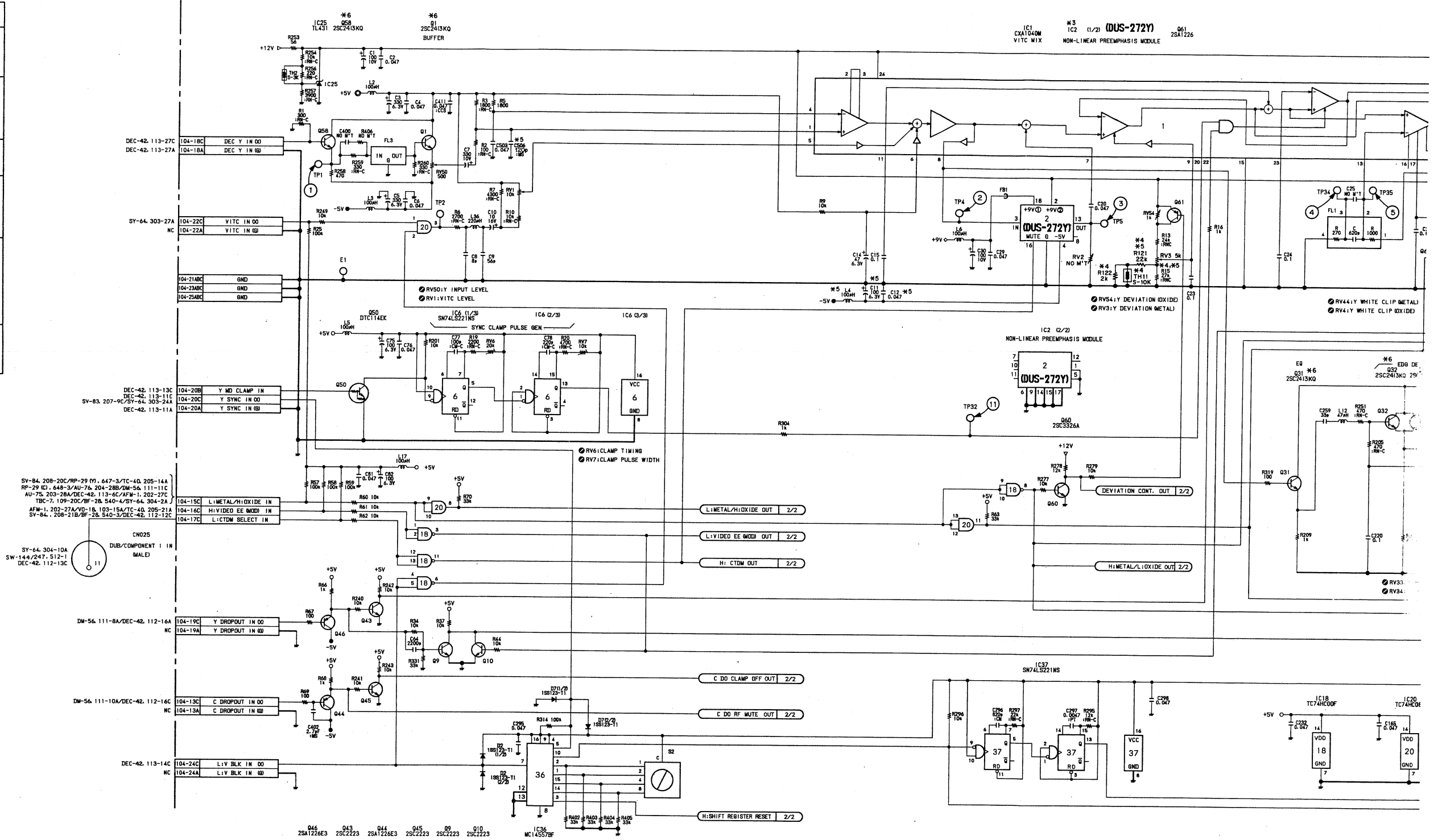
DEC - 42(5/5)
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BVW-70
BVW-75
BVW-96

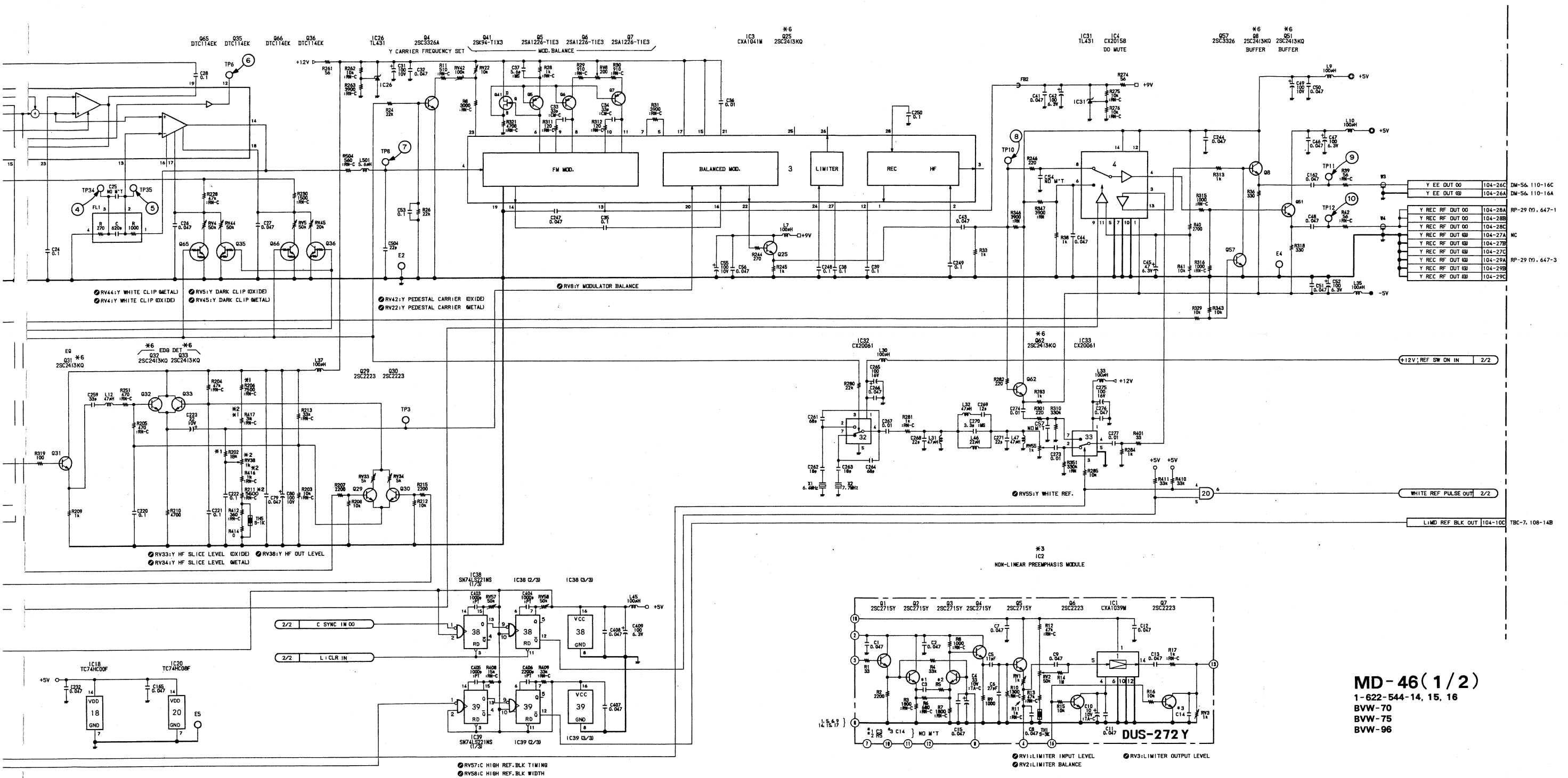
DUS-272Y; Y NON-LINEAR PREEMPHASIS

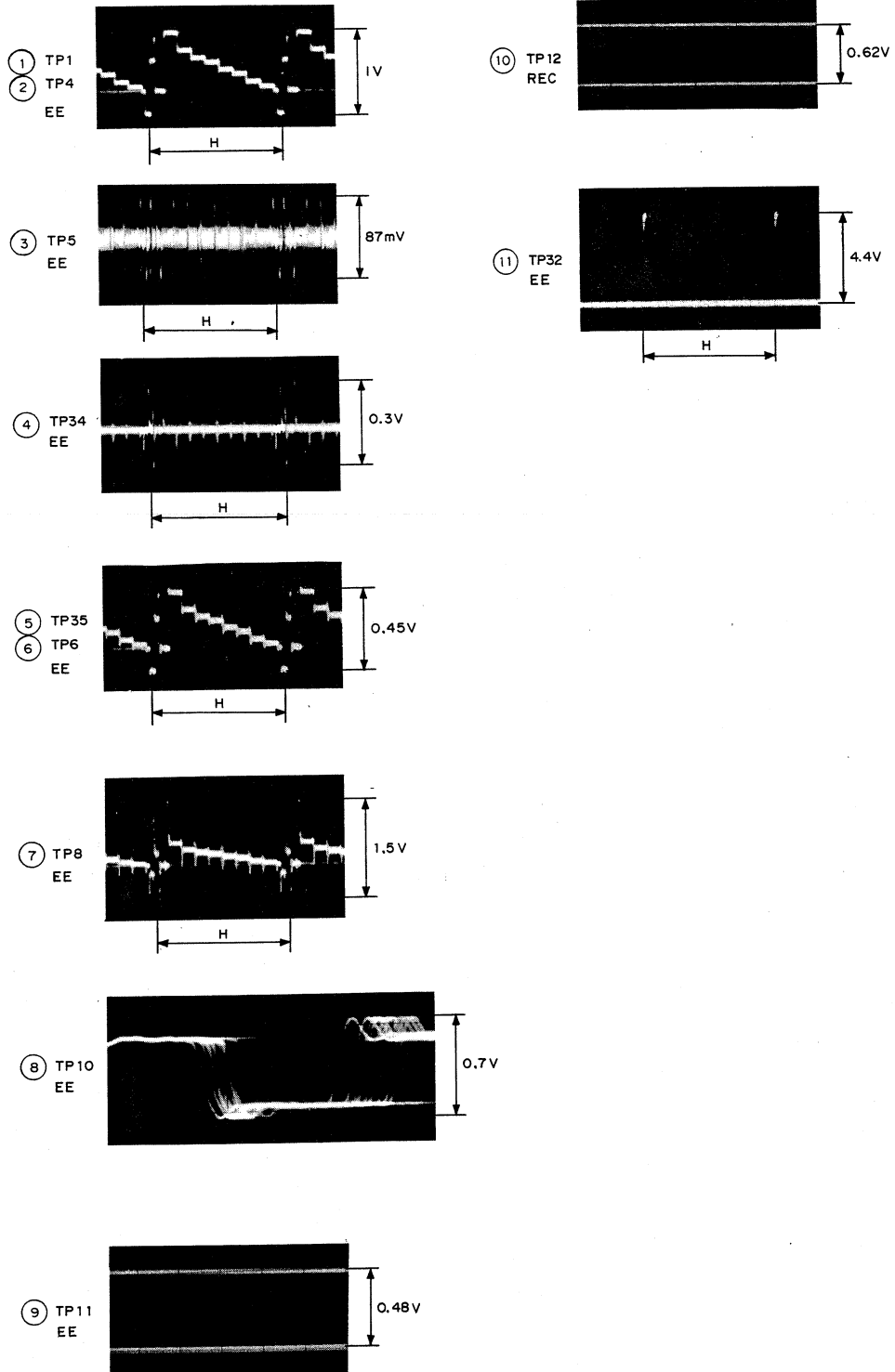
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R202 10k→18k R206 8200→7500 R417 2400→3300	UC; S/N 13326 ~ J; S/N 11304 ~
*2	R211 6800→5600 R416 0→1k R417 3300→3k RV38 500→1k	UC; S/N 13781 ~ J; S/N 11569 ~
*3	IC2 DUS-272Y→SBX1589	UC; S/N 14369 ~ J; S/N 11669 ~
*4	R15 27k DELETED R121 22k ADDED R122 2k ADDED TH11 S-10K ADDED	UC; S/N 14175 ~ J; S/N 11619 ~
*5	DELETED C11, C12, L4, R121 CHANGED C506 30p → 120p ADDED R15	UC; S/N 15552 ~ J; S/N 12319 ~
*6	Q1, R, 25, 31, 32, 33, 51, 58, Q62 2SC2715Y → 2SC2413KQ	UC; S/N 16728 ~ J; S/N 13094 ~

*4



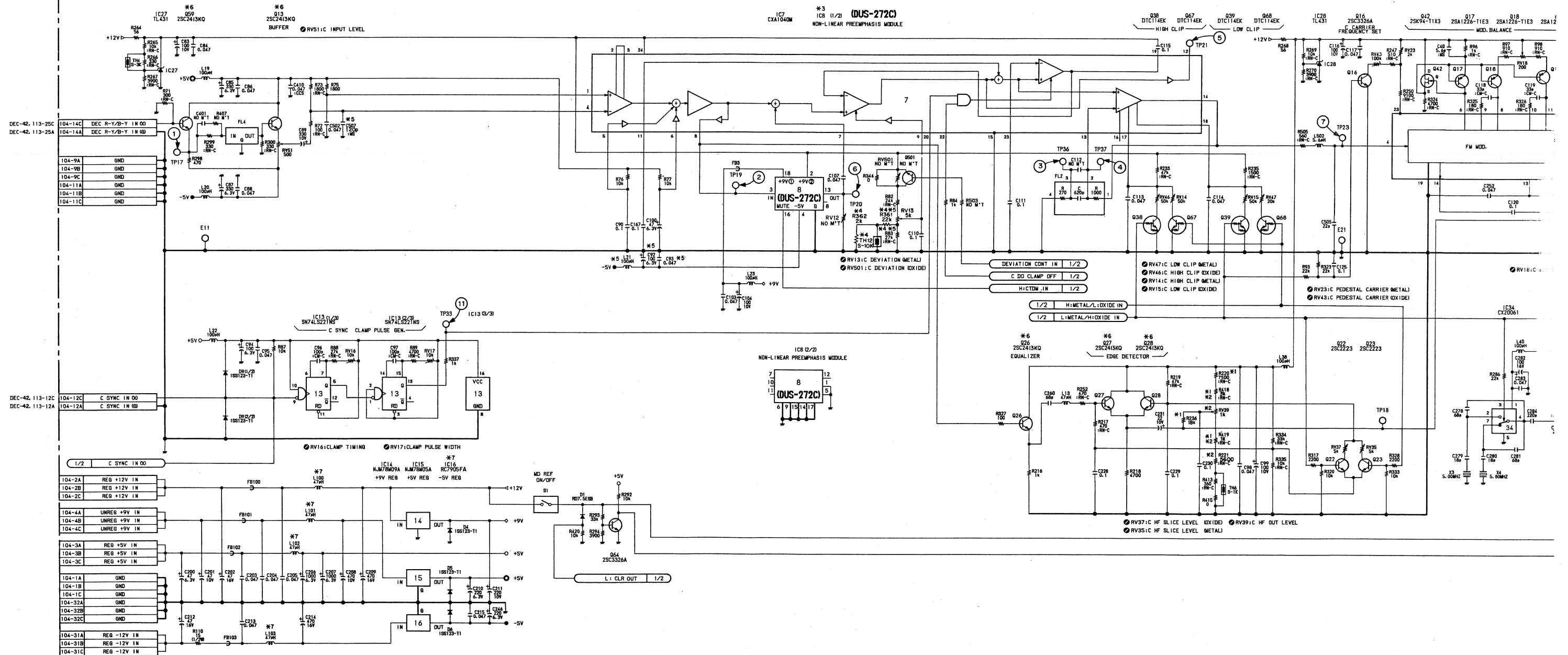


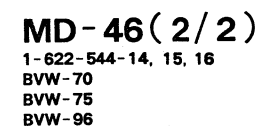


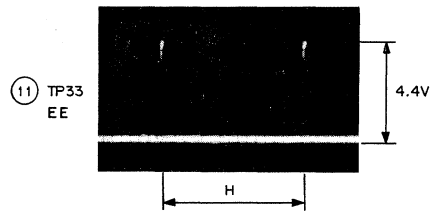
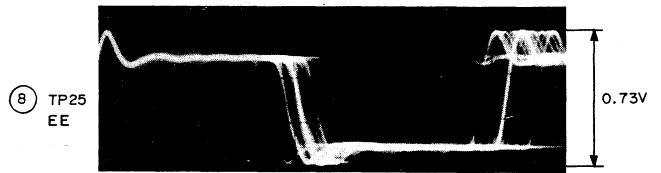
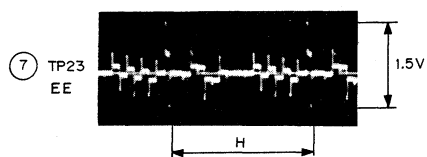
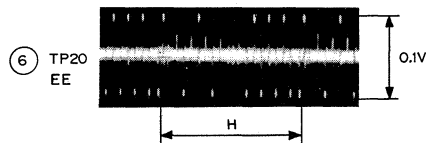
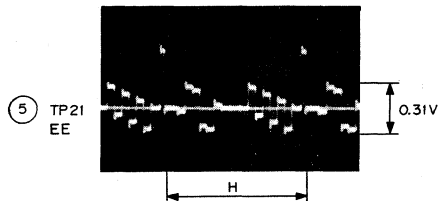
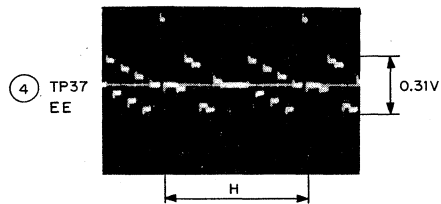
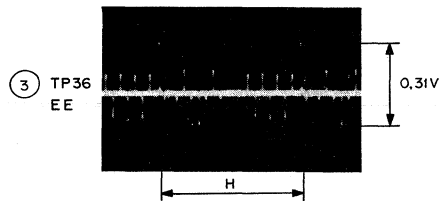
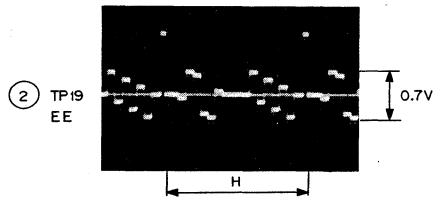
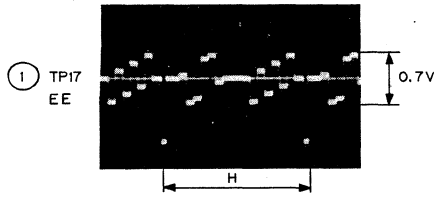
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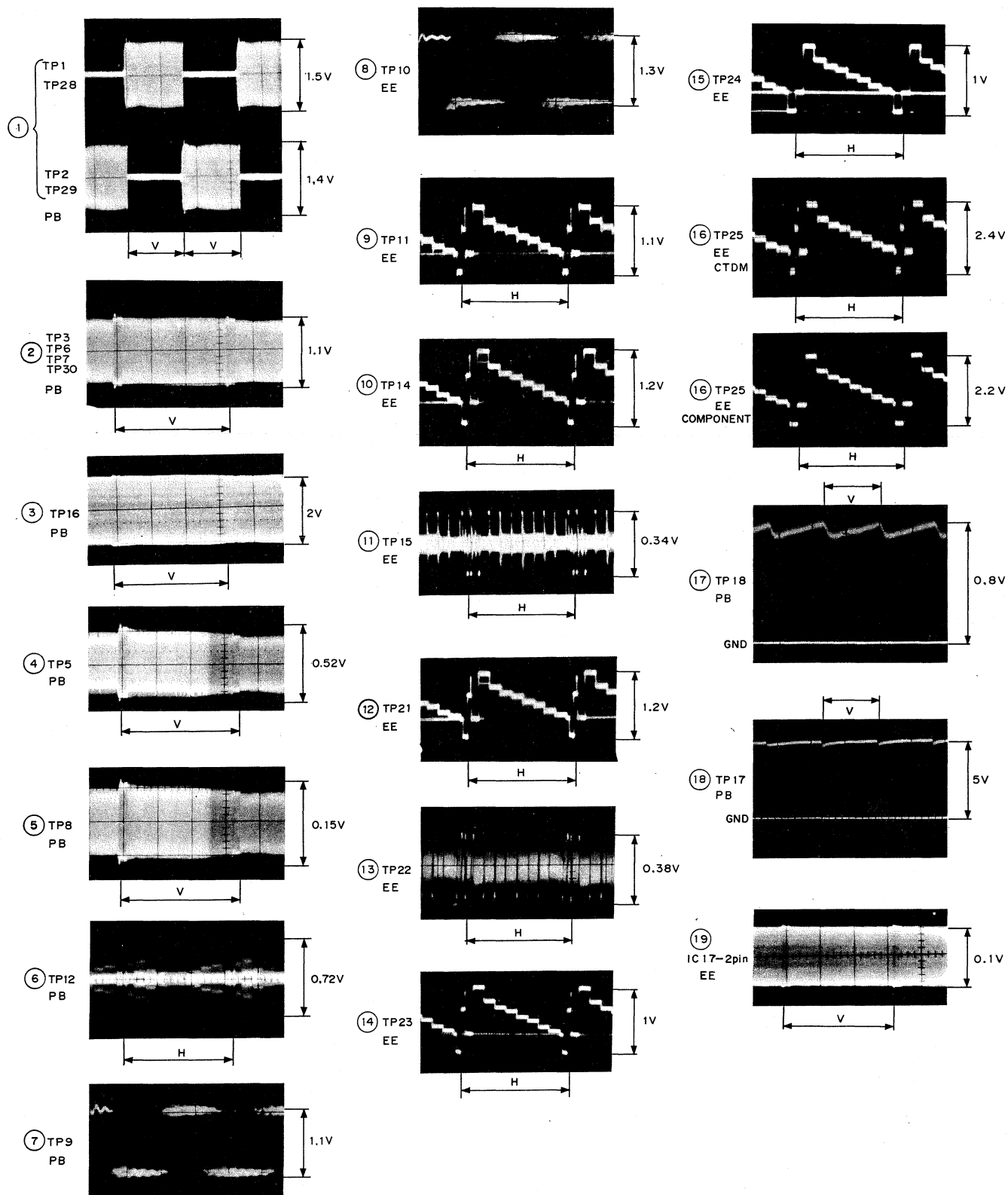
MARK	CHANGE INFORMATION	SERIAL NO.
*1	R220 8200→7500 R236 10k→18k R418 2400→3300 R419 200→0	UC; S/N 13226 ~ J; S/N 11304 ~
*2	R221 6800→5600 R418 3300→3k R419 0→1k RV39 500→1k	UC; S/N 13781 ~ J; S/N 11569 ~
*3	IC8 DUS-272C→SBX1589	UC; S/N 14369 ~ J; S/N 11669 ~
*4	R83 27k DELETED R361 22k ADDED R362 2k ADDED TH12 S-10K ADDED	UC; S/N 14175 ~ J; S/N 11619 ~

MARK	CHANGE INFORMATION	SERIAL NO.
*5	DELETED C92, C93, L21, R350 R361 CHANGED C507 30p → 120p ADDED R83	UC; S/N 15552 ~ J; S/N 12319 ~
*6	Q13, 20, 24, 26, 27, 28, 47, Q48, 55, 59, 63 2SC2715Y → 2SC2413KQ	UC; S/N 16728 ~ J; S/N 13094 ~
*7	IC16 μ PC7905H → RC7905FA L100, 101, 102, 103 45μH → 47μH	UC; S/N 17118 ~ J; S/N 13389 ~

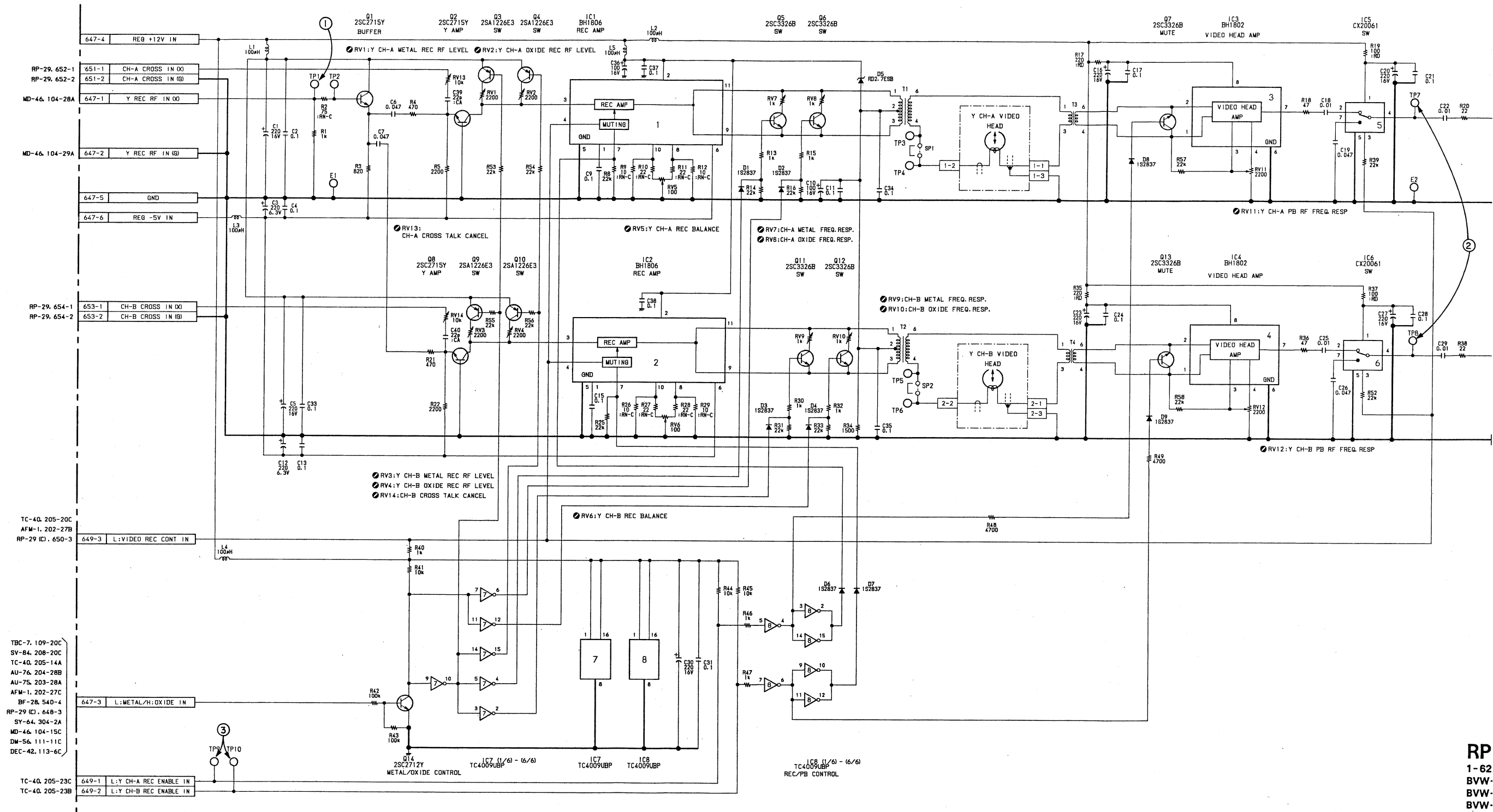


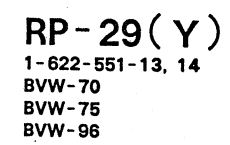






RP-29 (Y) ; Y REC/PB AMPLIFIER

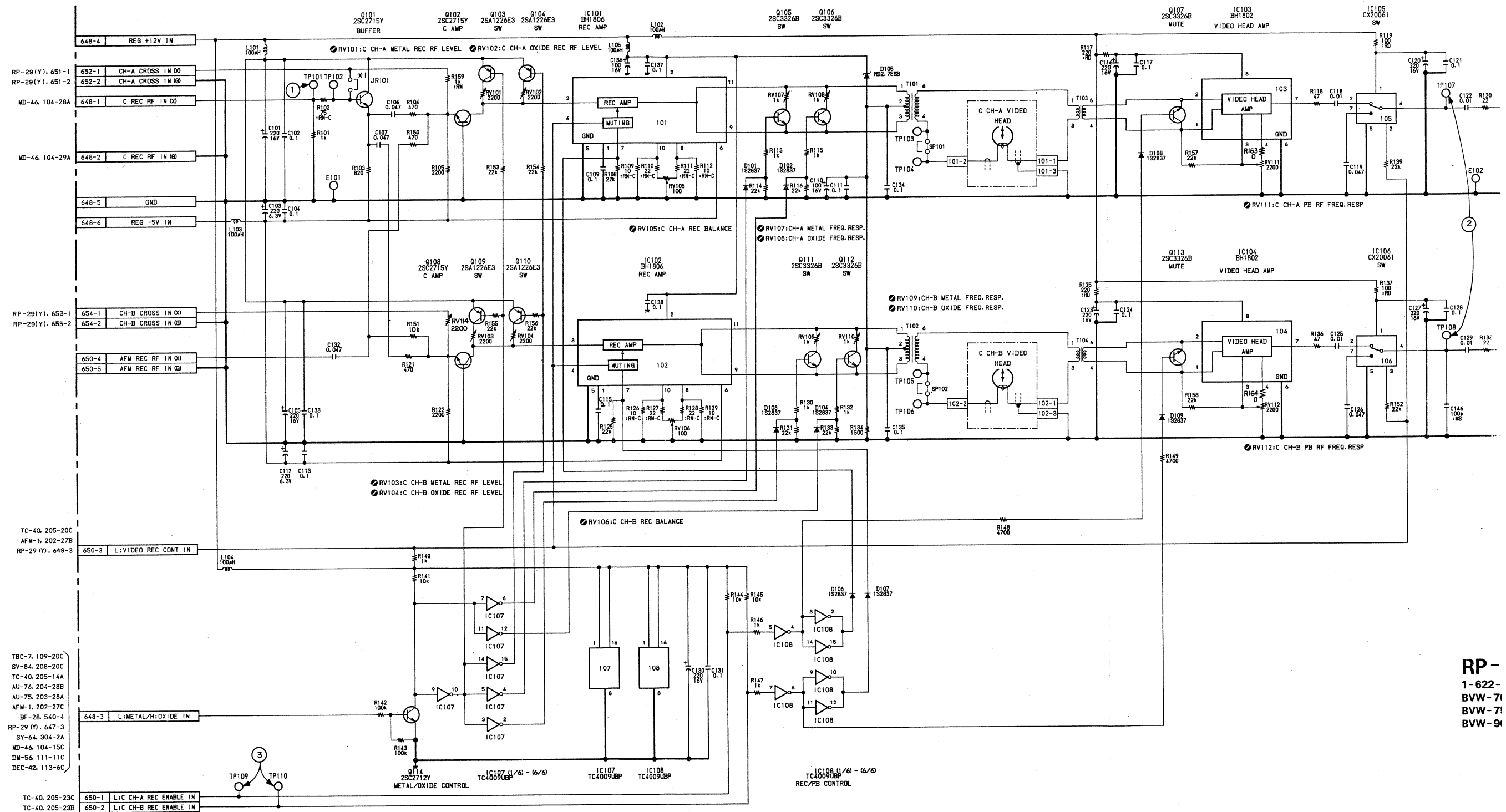


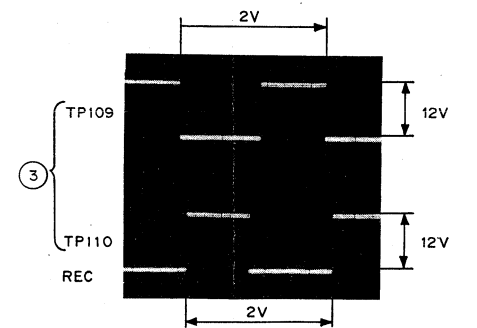
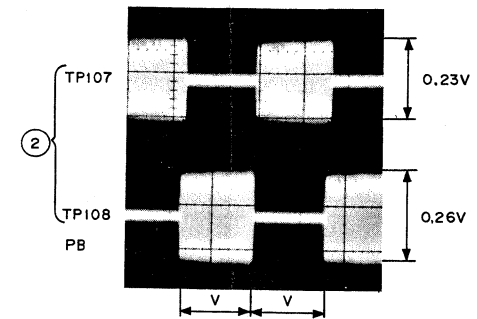
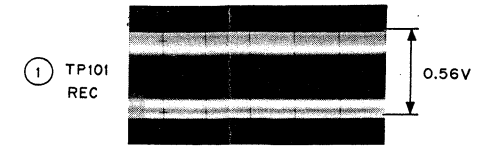
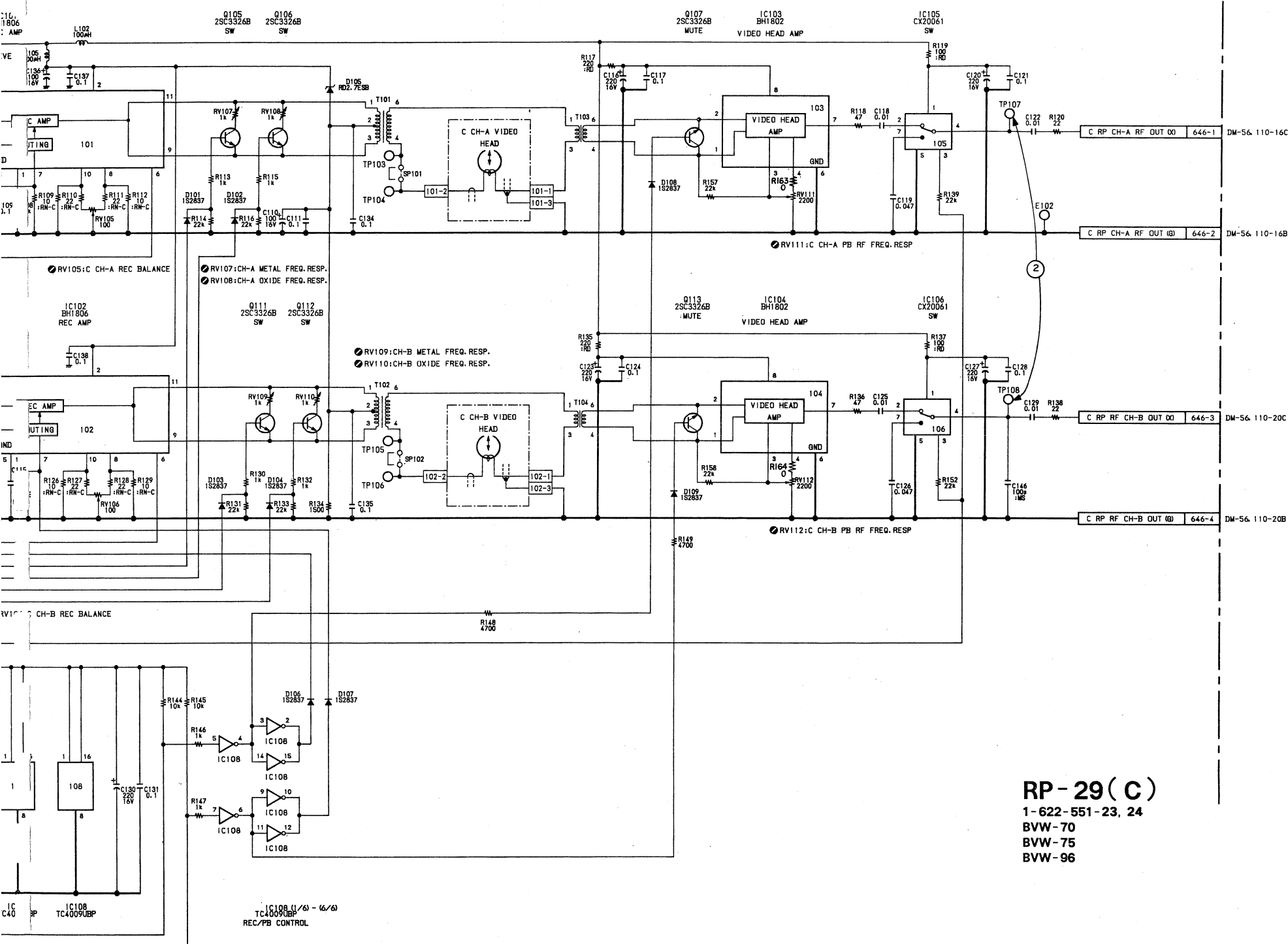


RP-29 (C) ; C REC/PB AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	JR101 ADDED	UC; S/N 17065 ~ J; S/N 13244 ~

RP-
1-622-
BVW-71
BVW-71
BVW-91

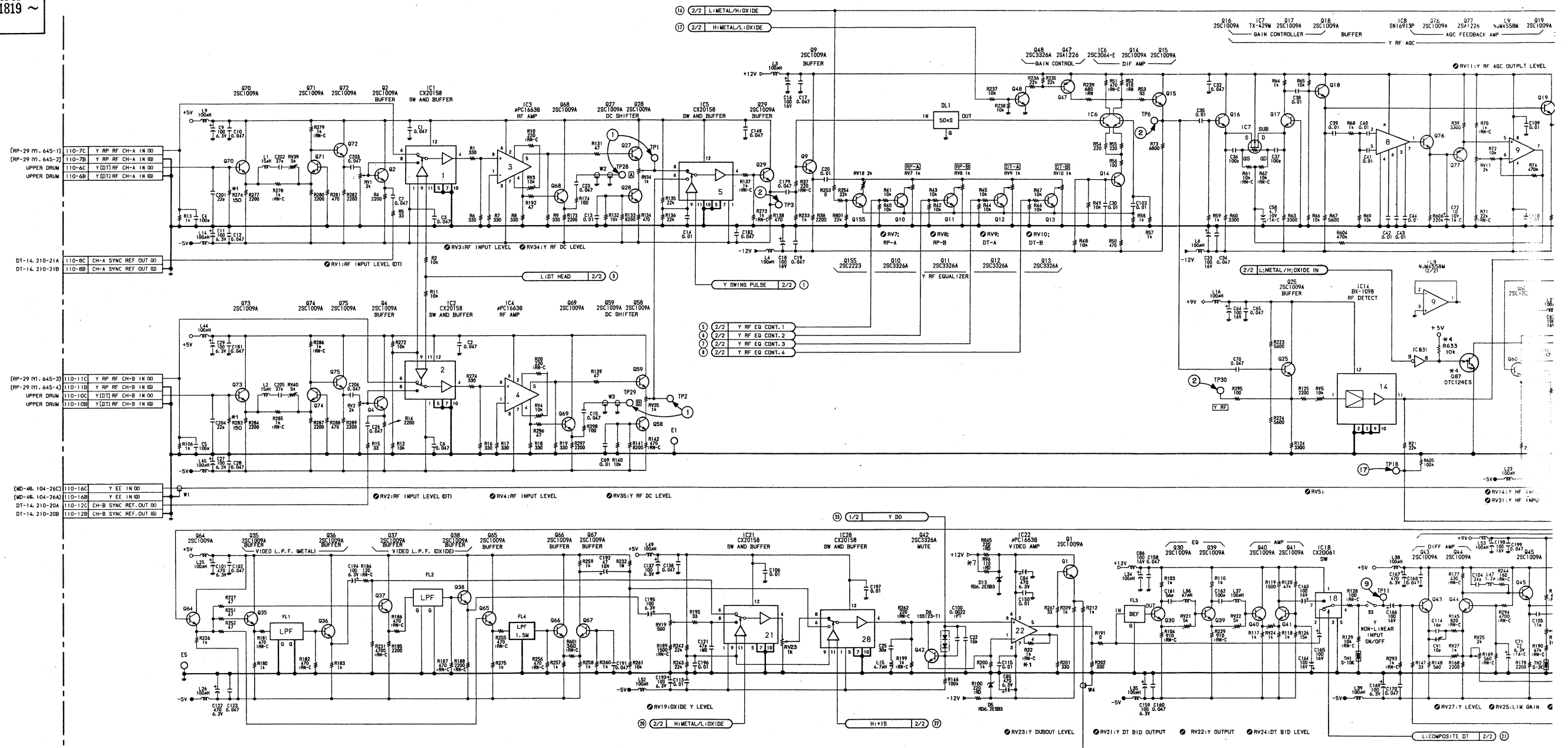


DM-56 (1/2) ; Y DEMODULATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C157 16pF → 24pF R22 1k DELETED R276 470 → 150 R283 470 → 150	UC; S/N 13226 ~ J; S/N 11304 ~
*2	RV32 2k → 5k	UC; S/N 13781 ~ J; S/N 11569 ~
*3	C79 3pF → 5pF	UC; S/N 14369 ~ J; S/N 11669 ~
*4	Q87 DTC124ES ADDED R632 560 ADDED R633 10k ADDED	UC; S/N 14548 ~ J; S/N 11819 ~

MARK	CHANGE INFORMATION	SERIAL NO.
*5	C117 470 → 330 C119 470 → 330	UC; S/N 15667 ~ J; S/N 12319 ~
*6	RV26 50k → 100k RV30 50k → 100k RV36 50k → 100k	UC; S/N 15737 ~ J; S/N 12419 ~
*7	R96 220 → 110	UC; S/N 16544 ~ J; S/N 12874 ~



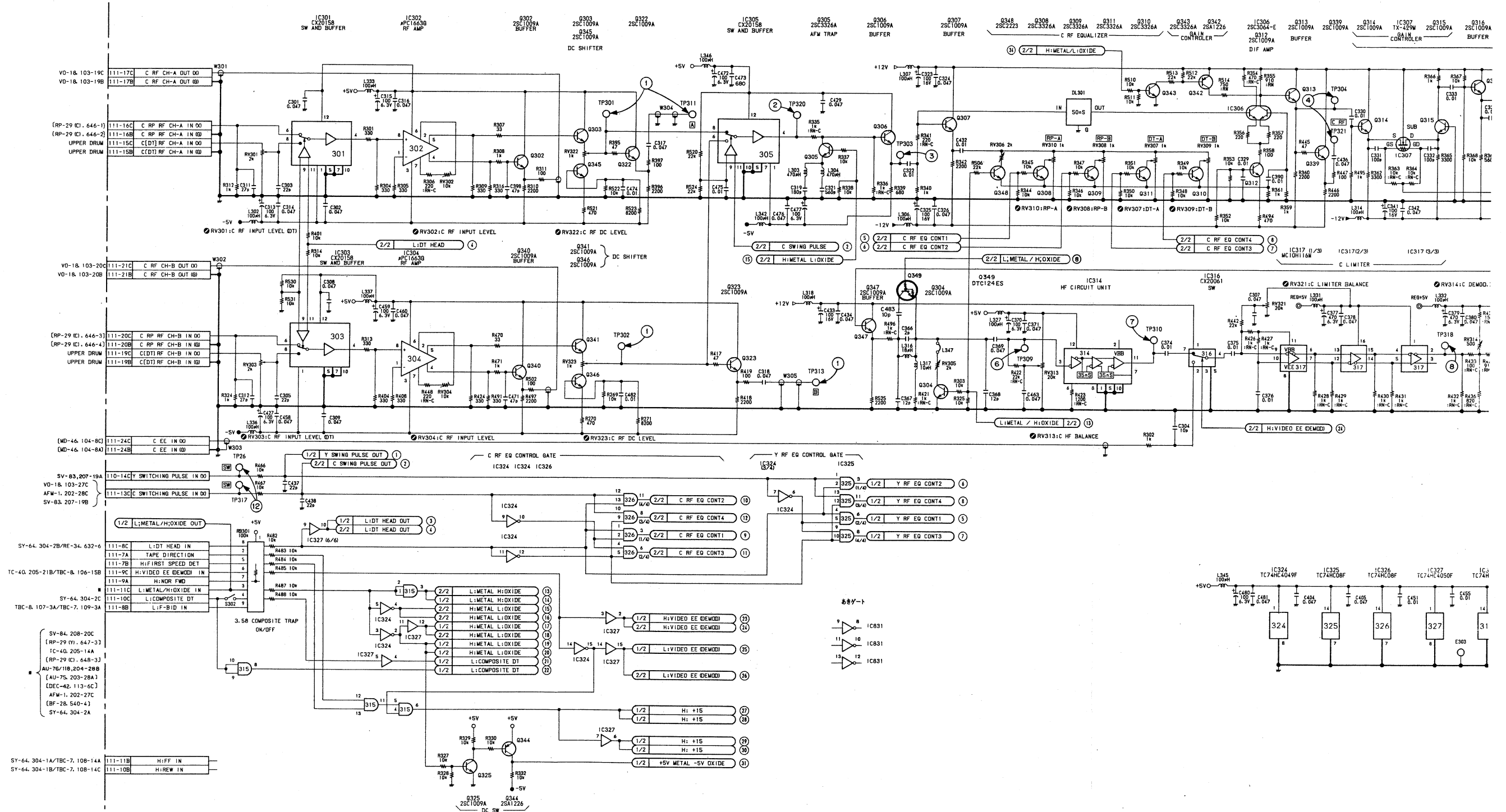


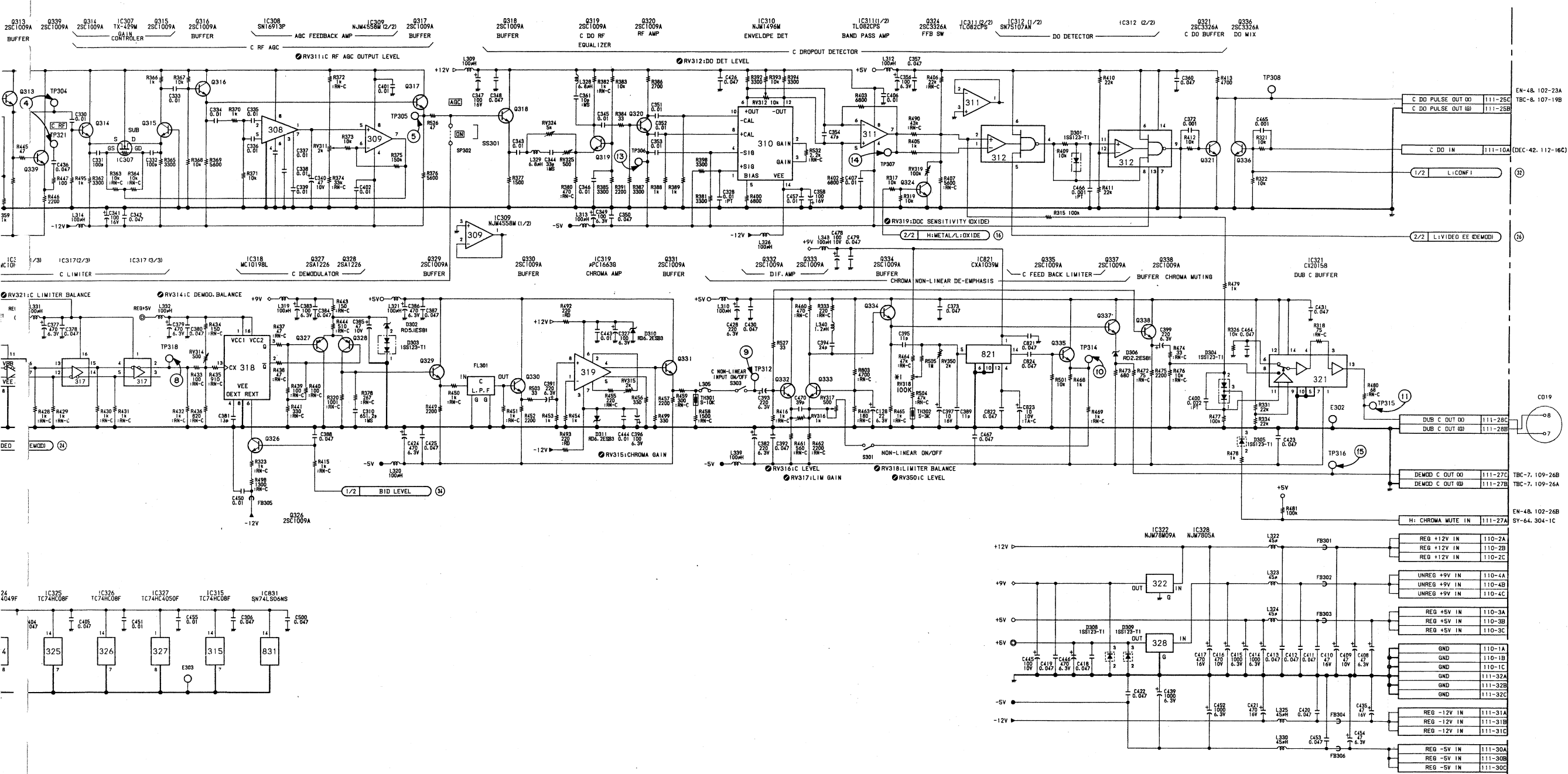
16-84

DM-56 (2/2); C DEMODULATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	RV318 50k → 100k	UC: S/N 15737 ~ J: S/N 12419 ~

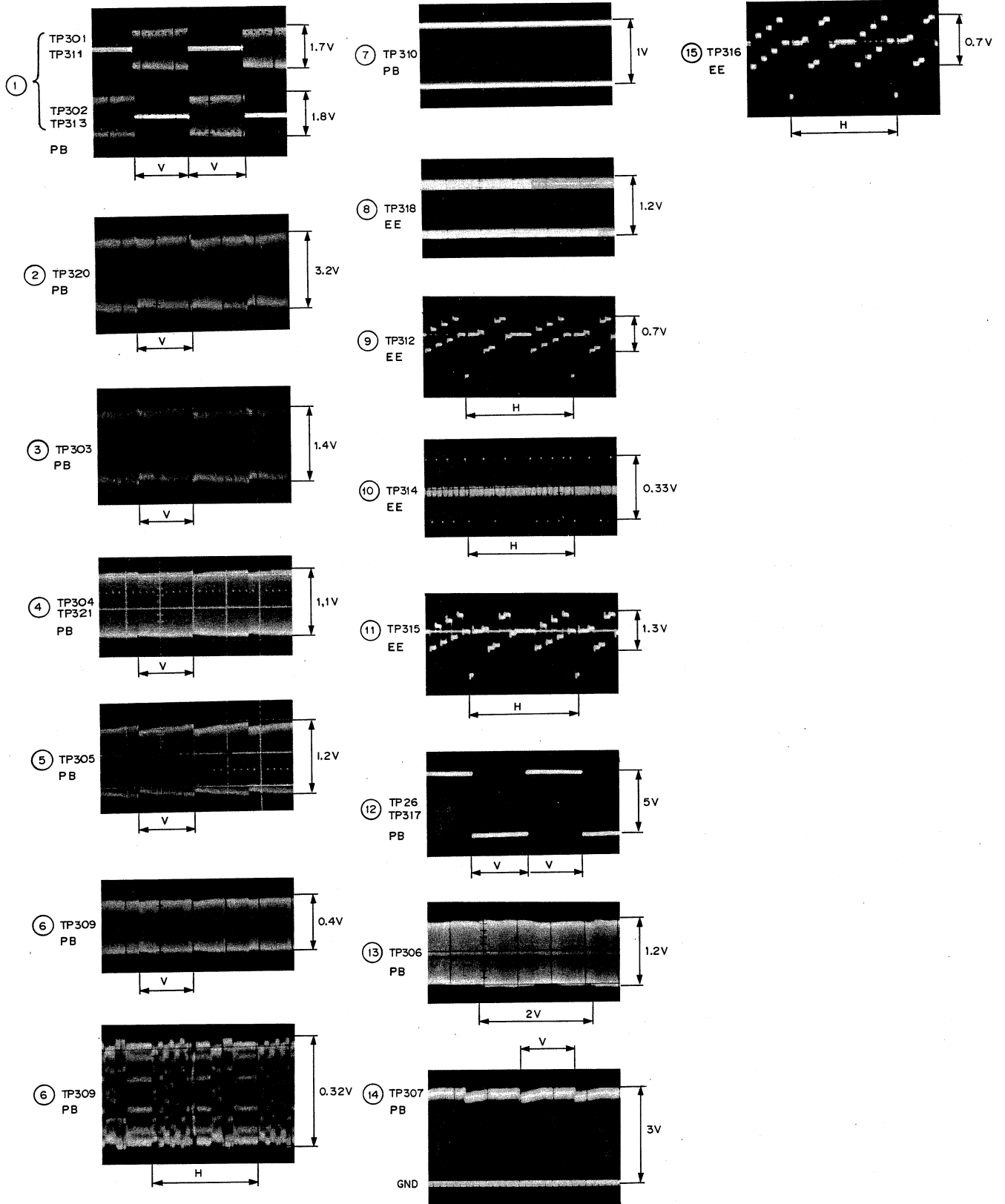




[] ; RECORDER ONLY

DM-56 (2/2)

1-622-545-15, 16
 BVW-65 BVW-75
 BVW-95 BVW-96

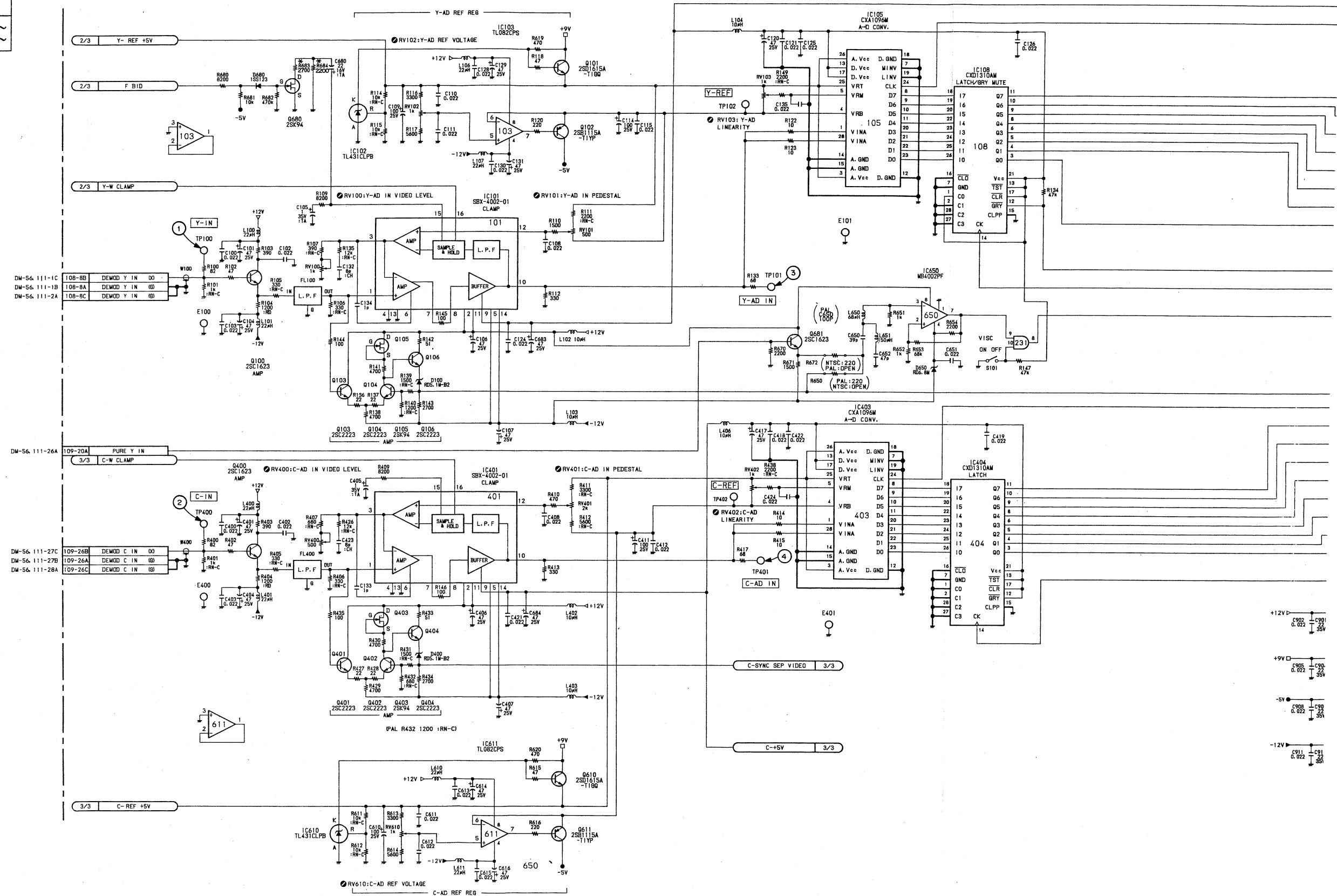


TBC-7 (1/3) ; A/D CONVERTER

UC ; S/N 13028 through 13325
J ; S/N 11104 through 11303

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*	R683 1.2k → 2.7k R684 100k → 2.2k	UC; S/N 13176 ~ J; S/N 11204 ~



16-96 (a)

16-97 (a)

A

B

C

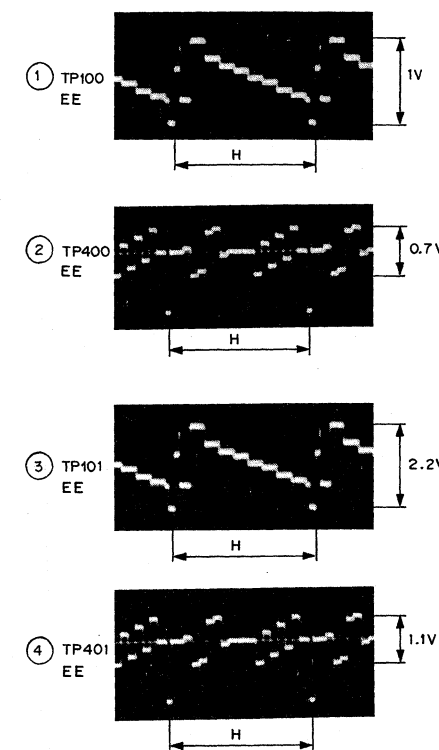
D

E

F

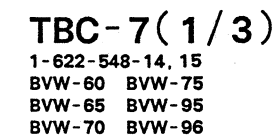
G

H

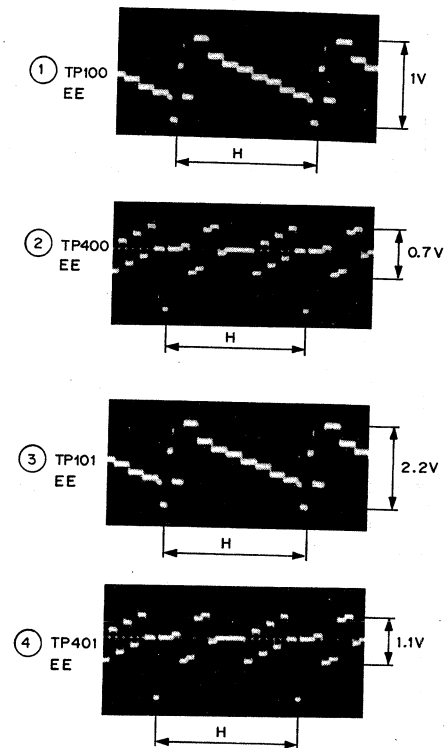
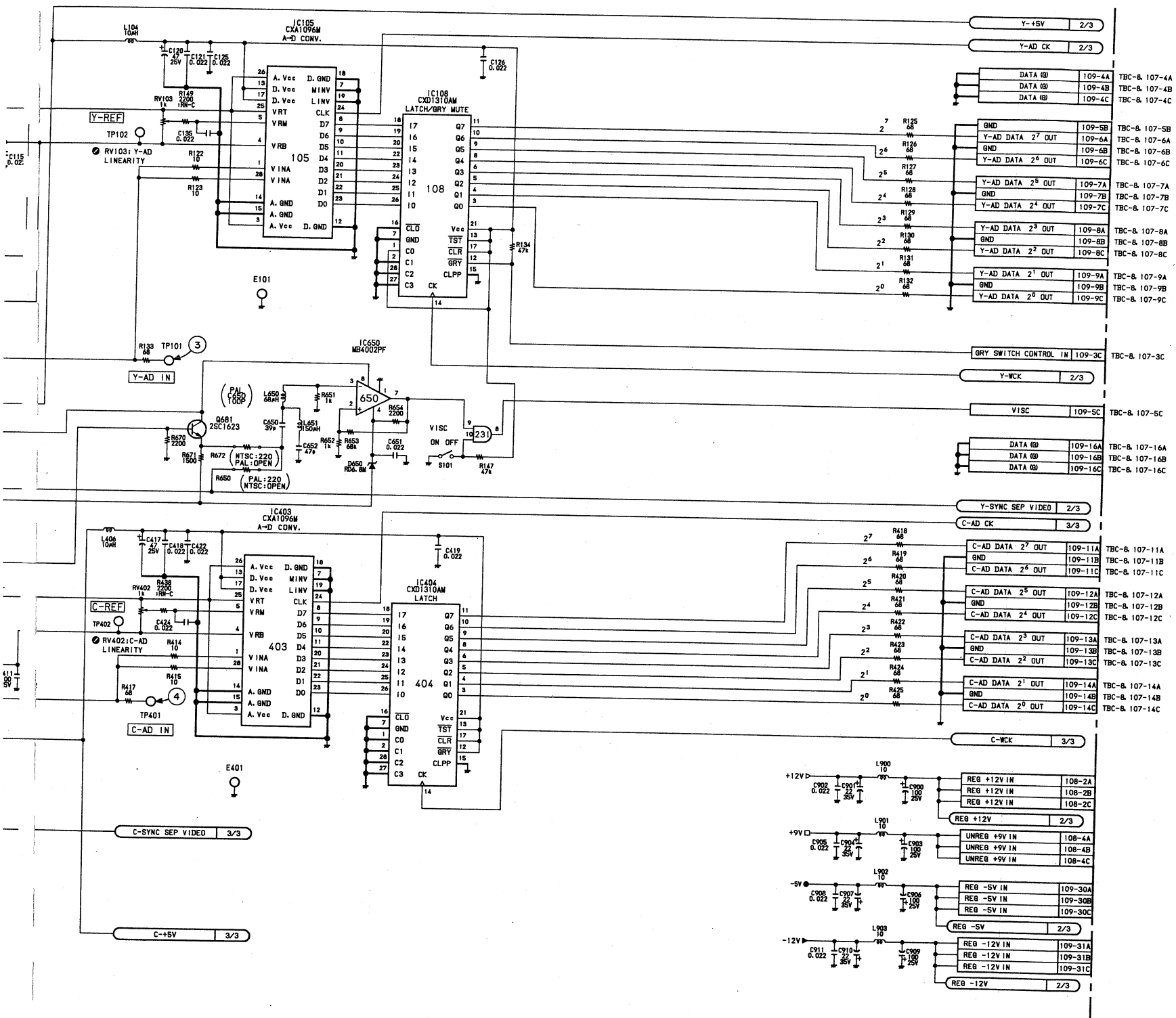


SLIT CONFIGURATION (SHORT)	
NTSC	PAL
SL205	SL200
	SL505

UC ;	S/N 13326	and higher
J ;	S/N 11304	and higher



1



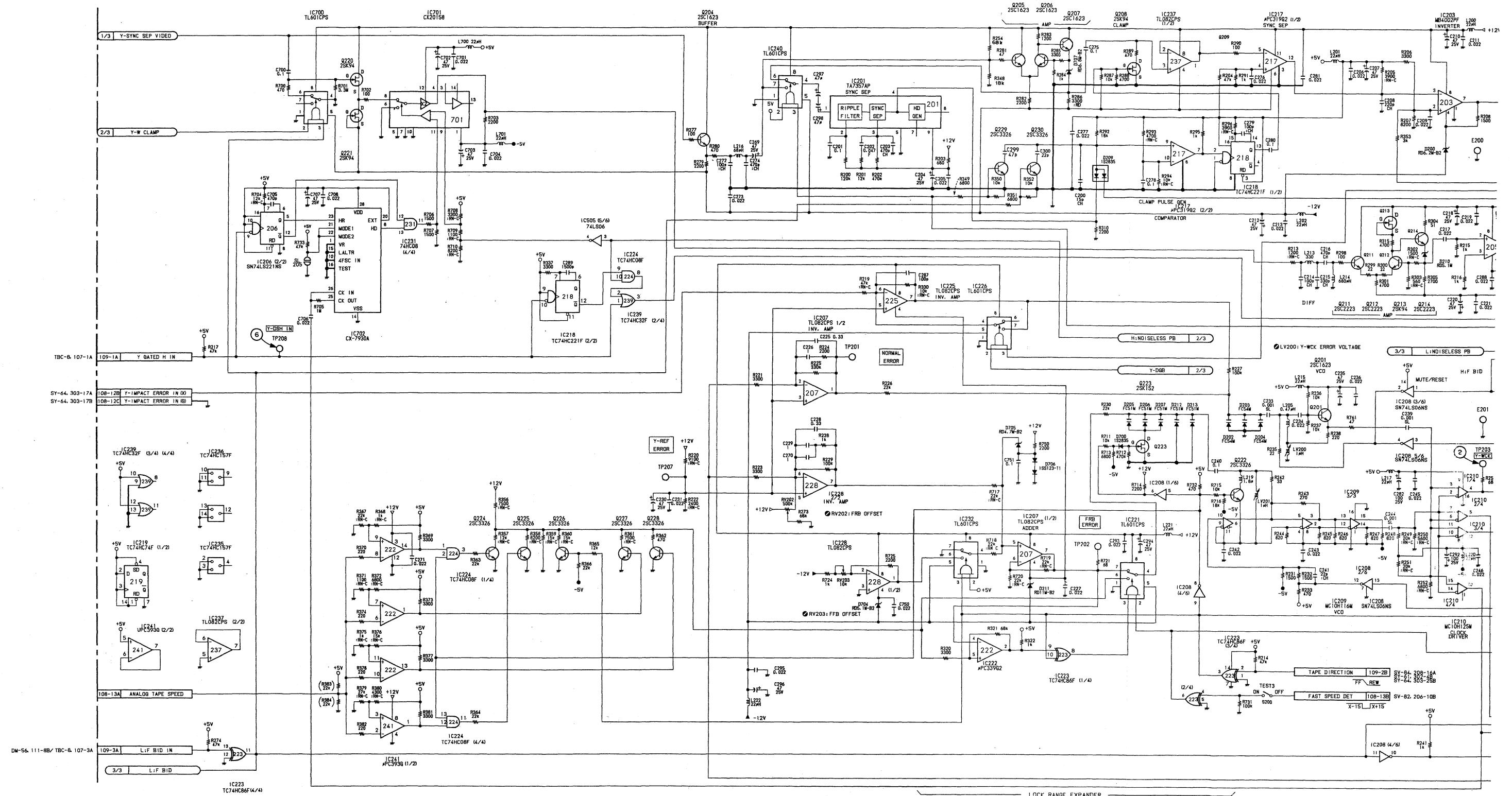
TBC-7 (1/3)
1-622-548-14, 15
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

16-97 (b)

16-98 (b)

TBC-7 (2/3) ; Y WRITE CLOCK GENERATOR

UC ; S/N 13028 through 13325
J ; S/N 11104 through 11303



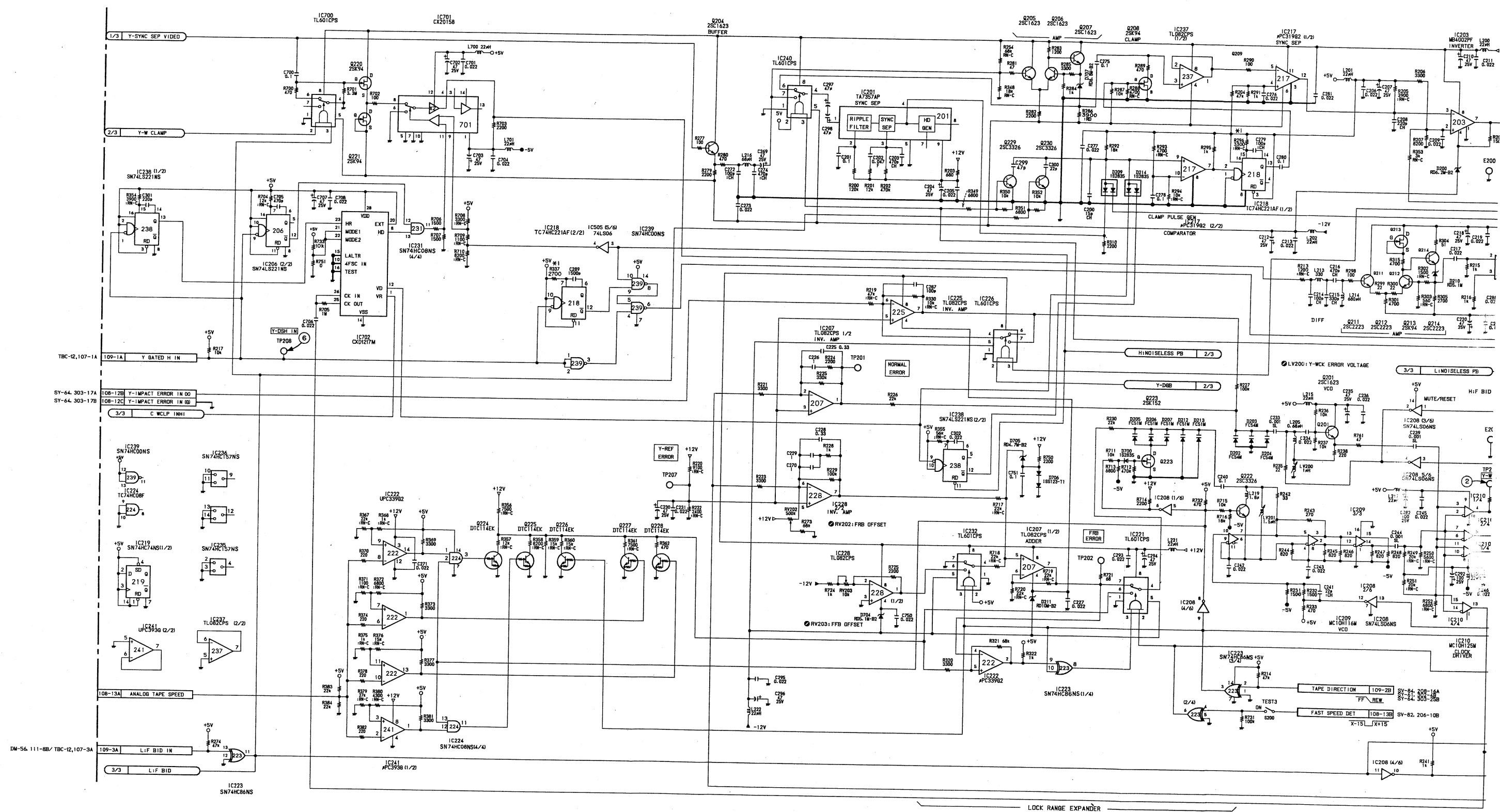
16-103 (a)

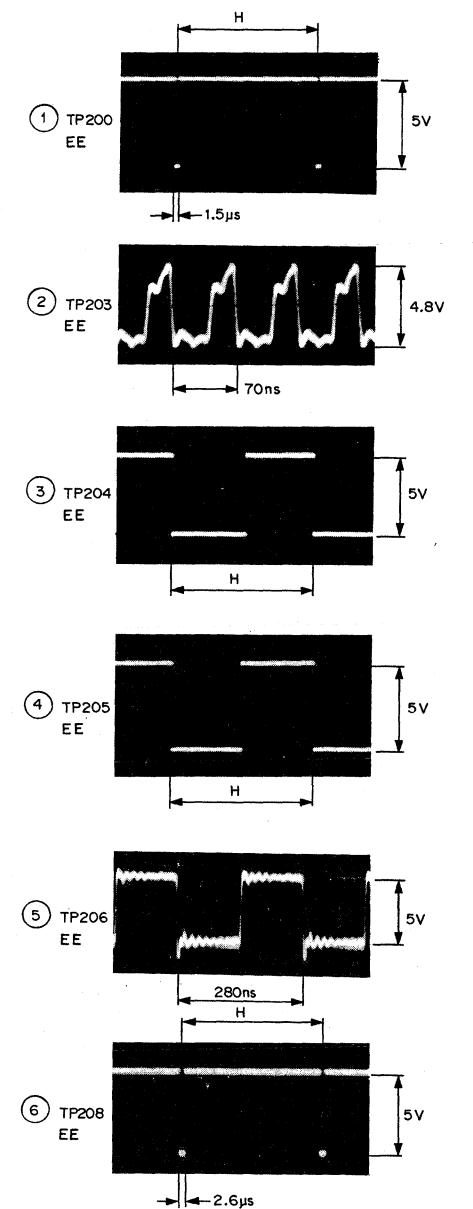
16-104 (a)

H

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R296 3900 → 3300 R337 3300 → 2700	UC: S/N 16544 ~ J: S/N 12874 ~





1-622-548-14, 15
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

{{ }};DT PLAYER ONLY

16-105 (b)

16-106 (b)

H

1

J

K

L

M

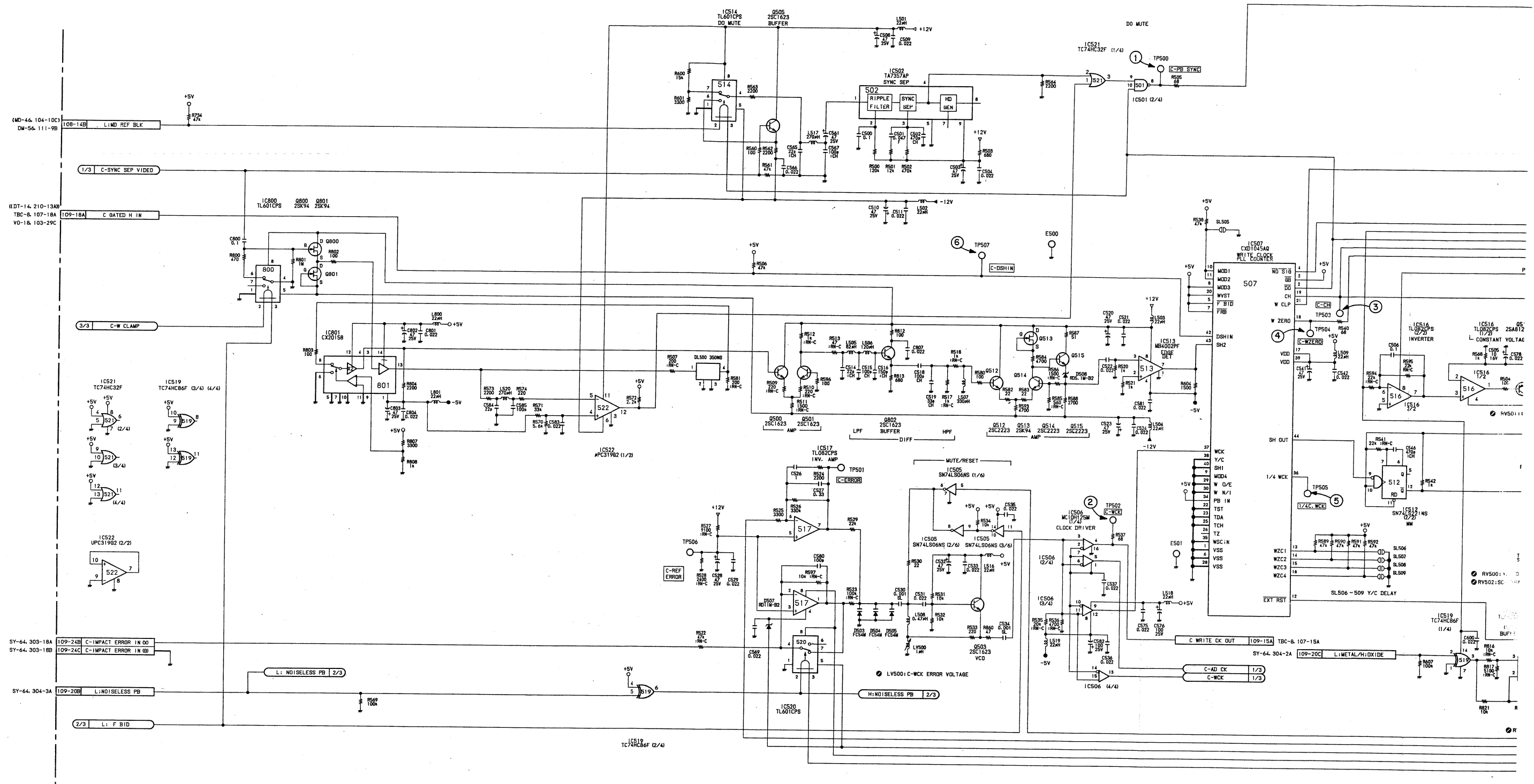
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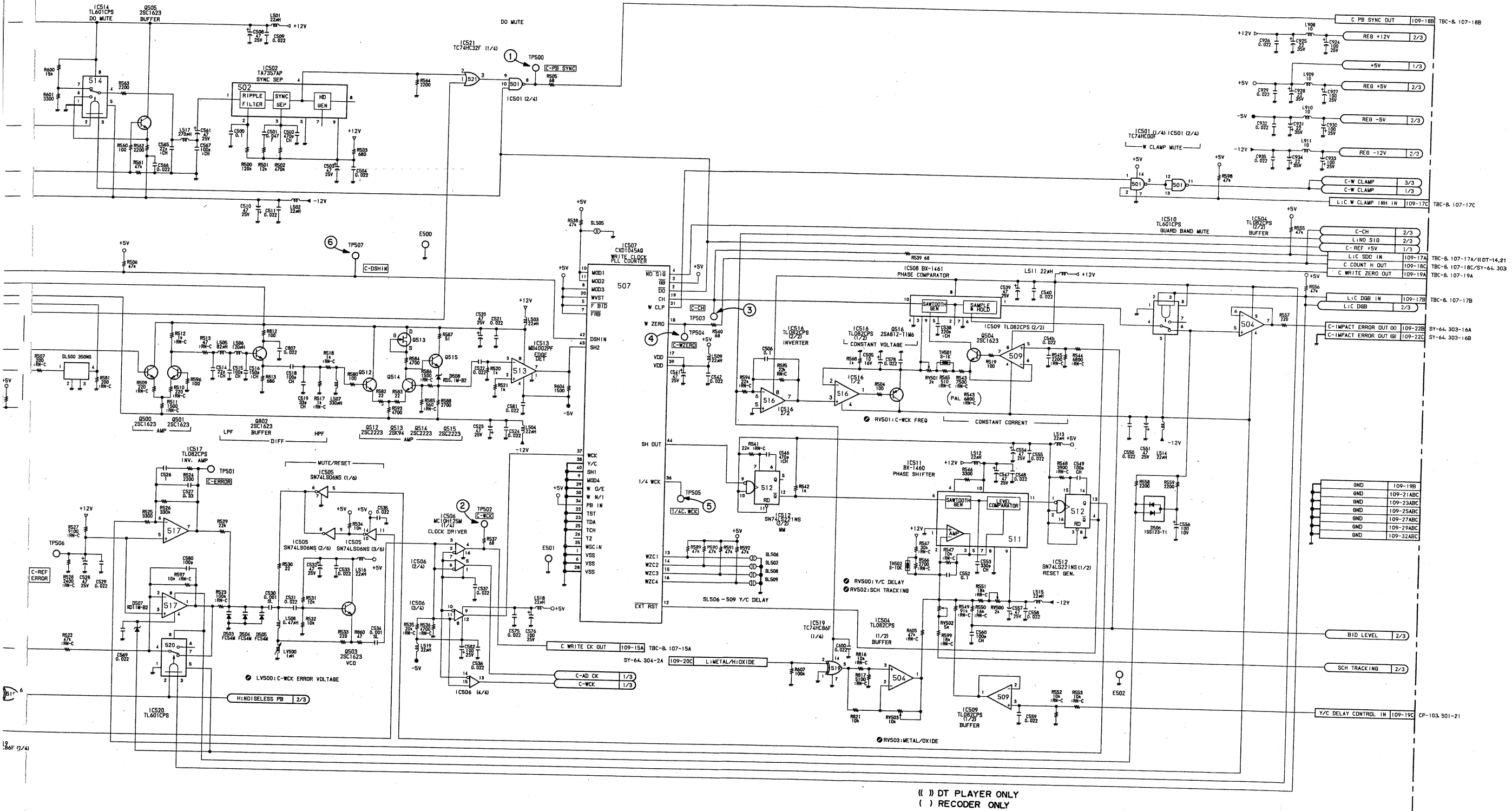
0

P

TBC-7 (3/3) ; C WRITE CLOCK GENERATOR

UC ; S/N 13028 through 13325
J ; S/N 11104 through 11303





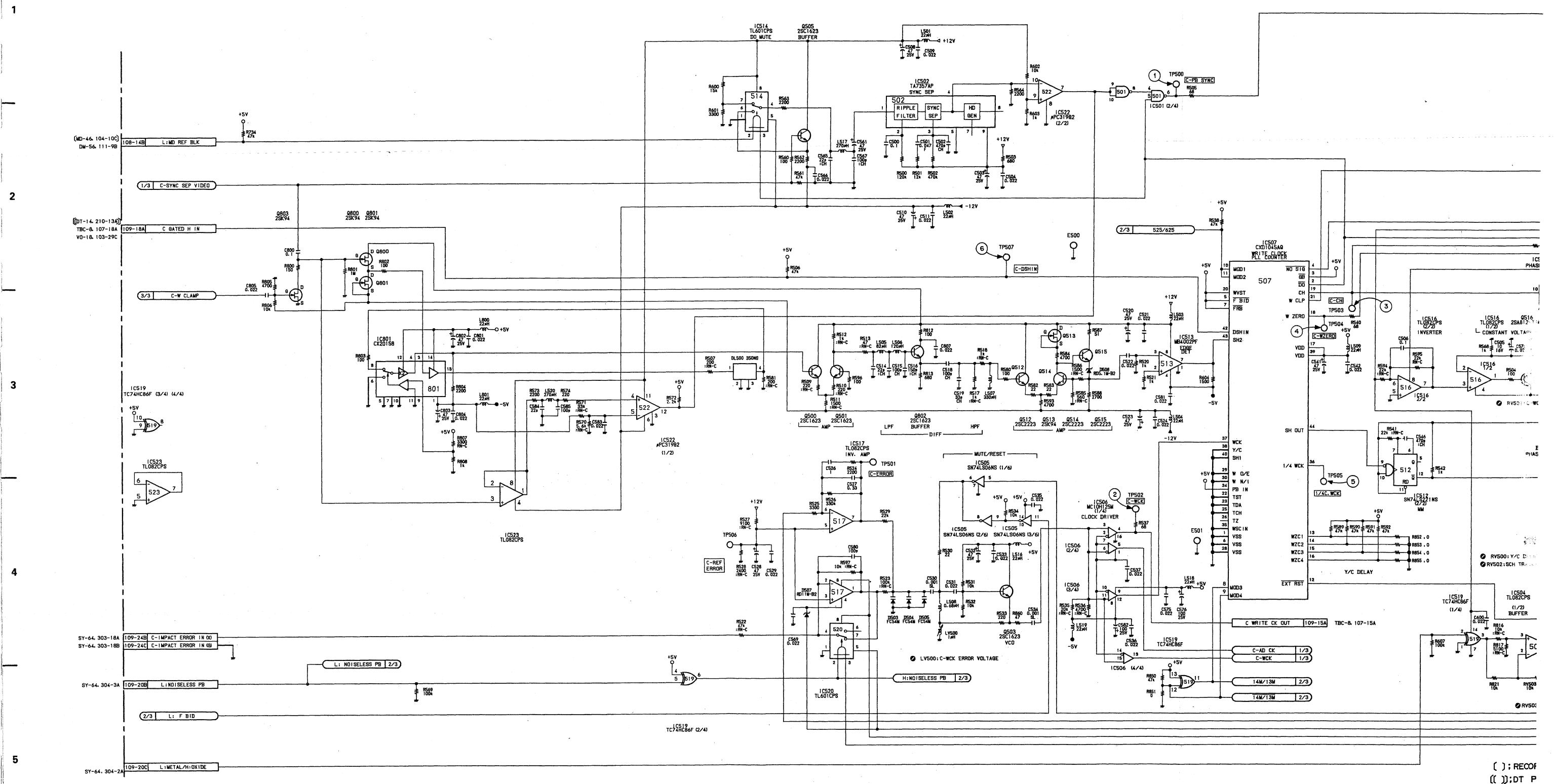
TBC-7 (3/3)

1-622-548-13
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96

16-111 (a)

16-112 (a)

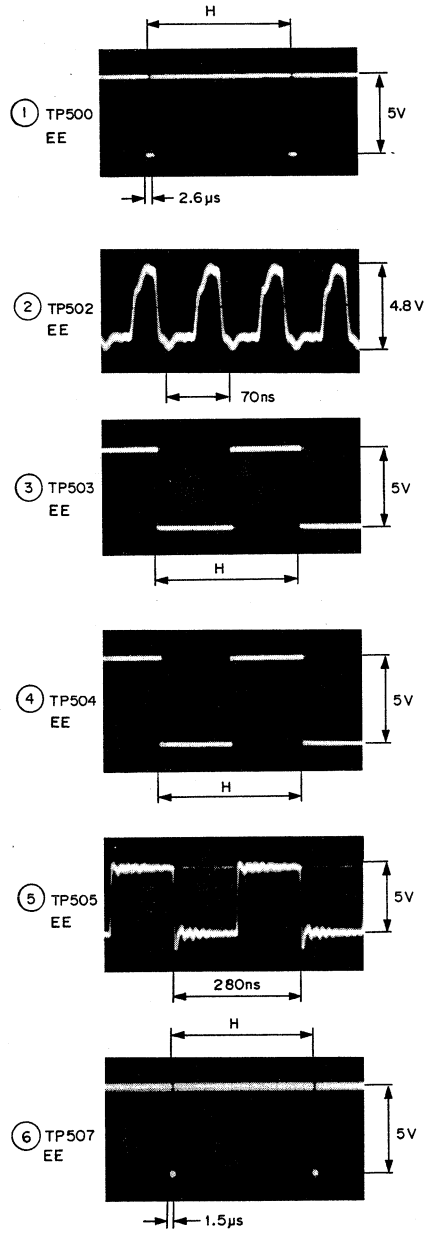
UC ; S/N 13326 and higher
J ; S/N 11304 and higher

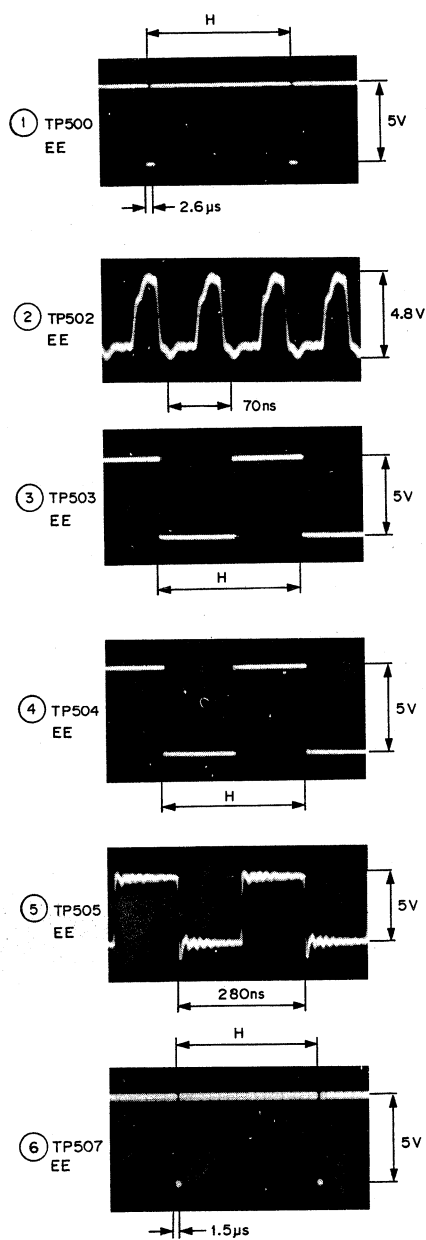


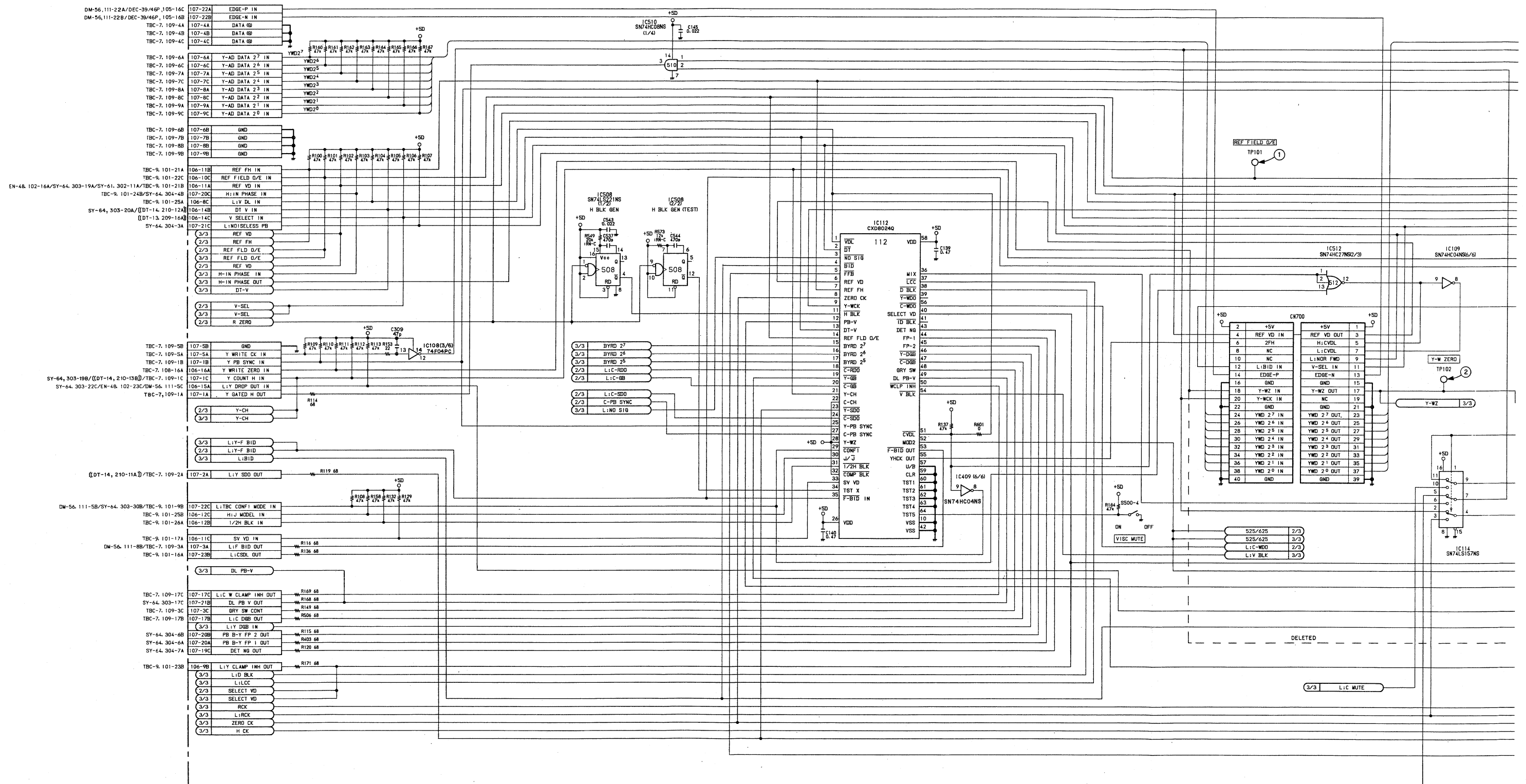
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( ); RECOF
(( )); DT P
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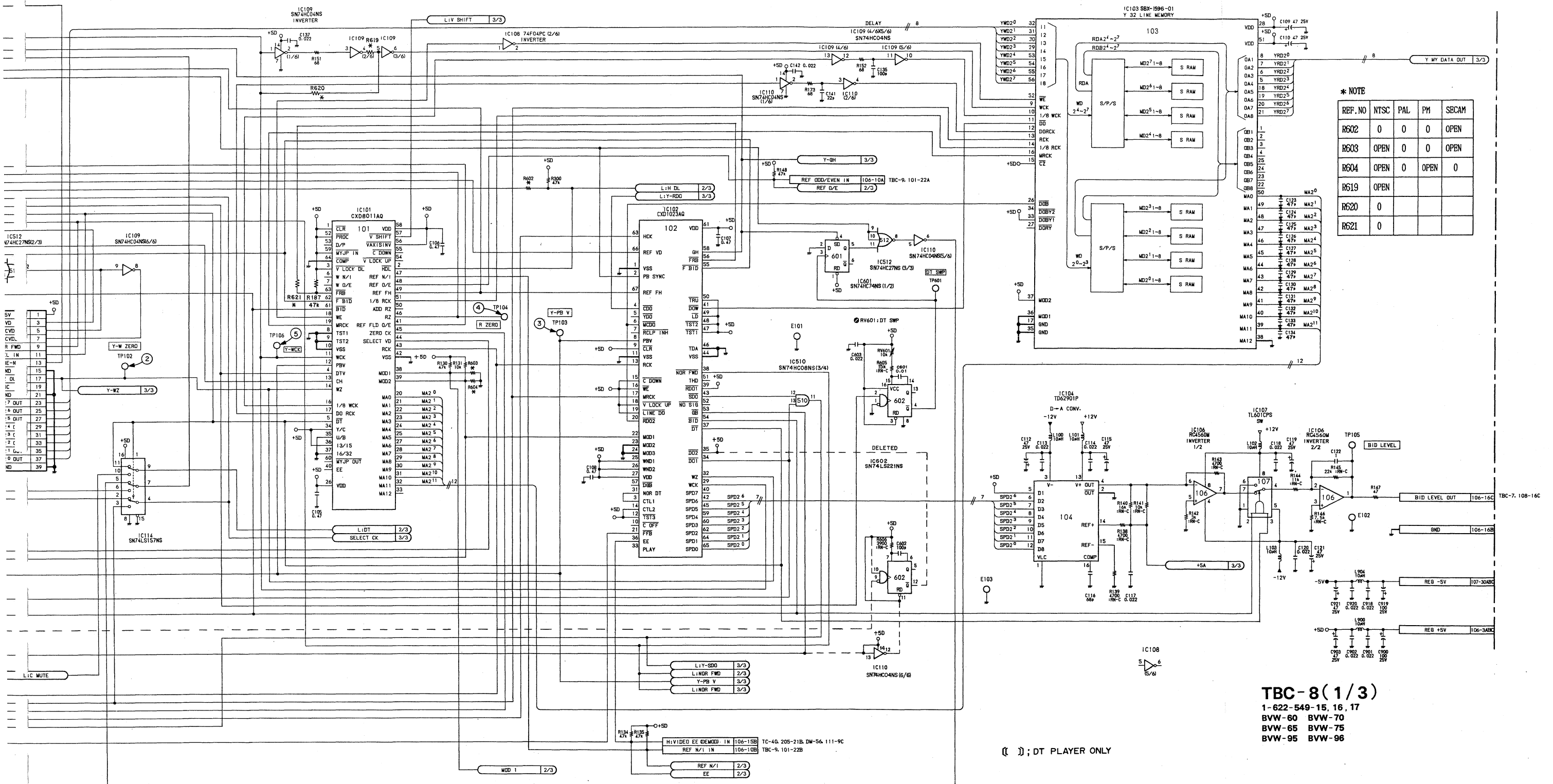


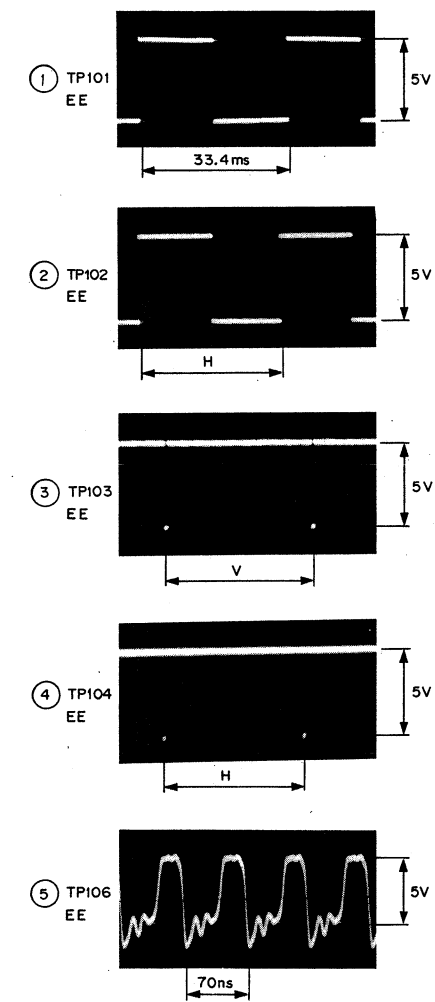
1-622-548-14, 15
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



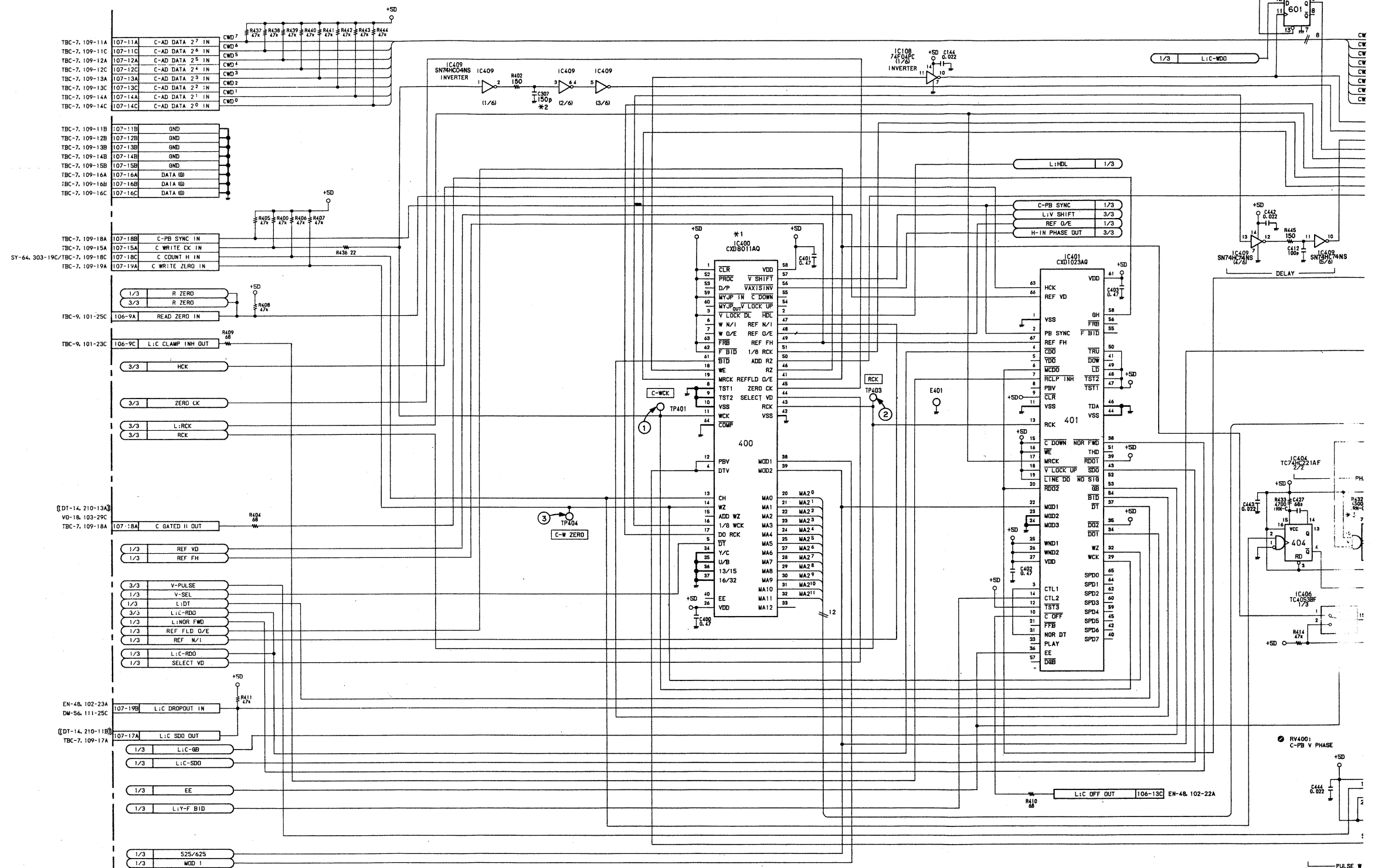






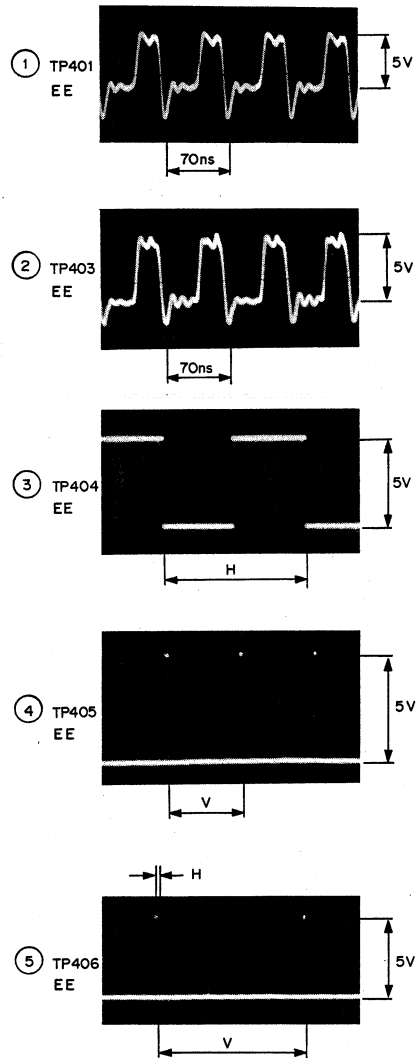


MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC400 CXD1022CQ → CXD8011AQ	UC; S/N 14657 ~ J; S/N 11949 ~
*2	C307 68pF → 150pF	UC; S/N 15667 ~ J; S/N 12319 ~
*3	R432 4700 → 4300	UC; S/N 16544 ~ J; S/N 12874 ~

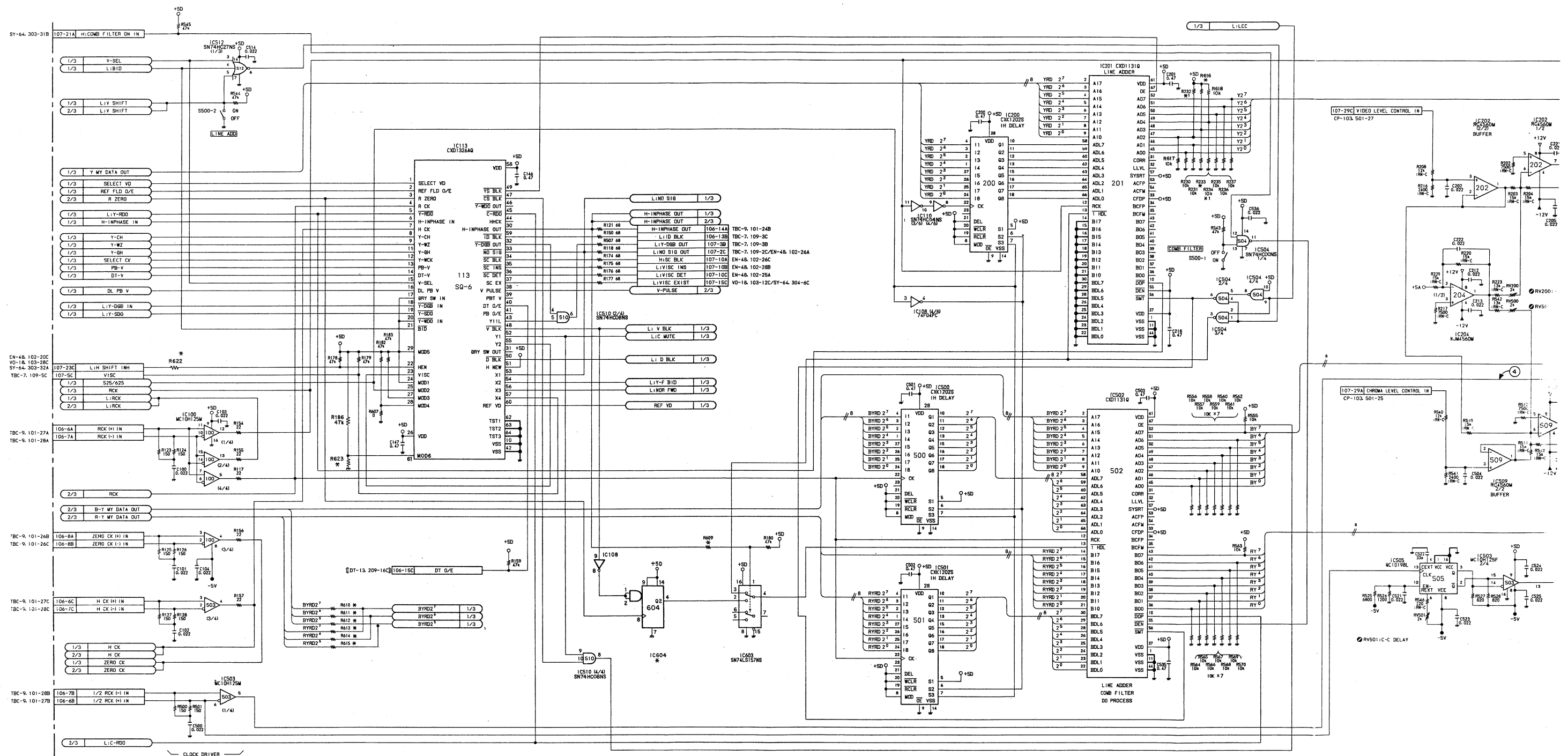


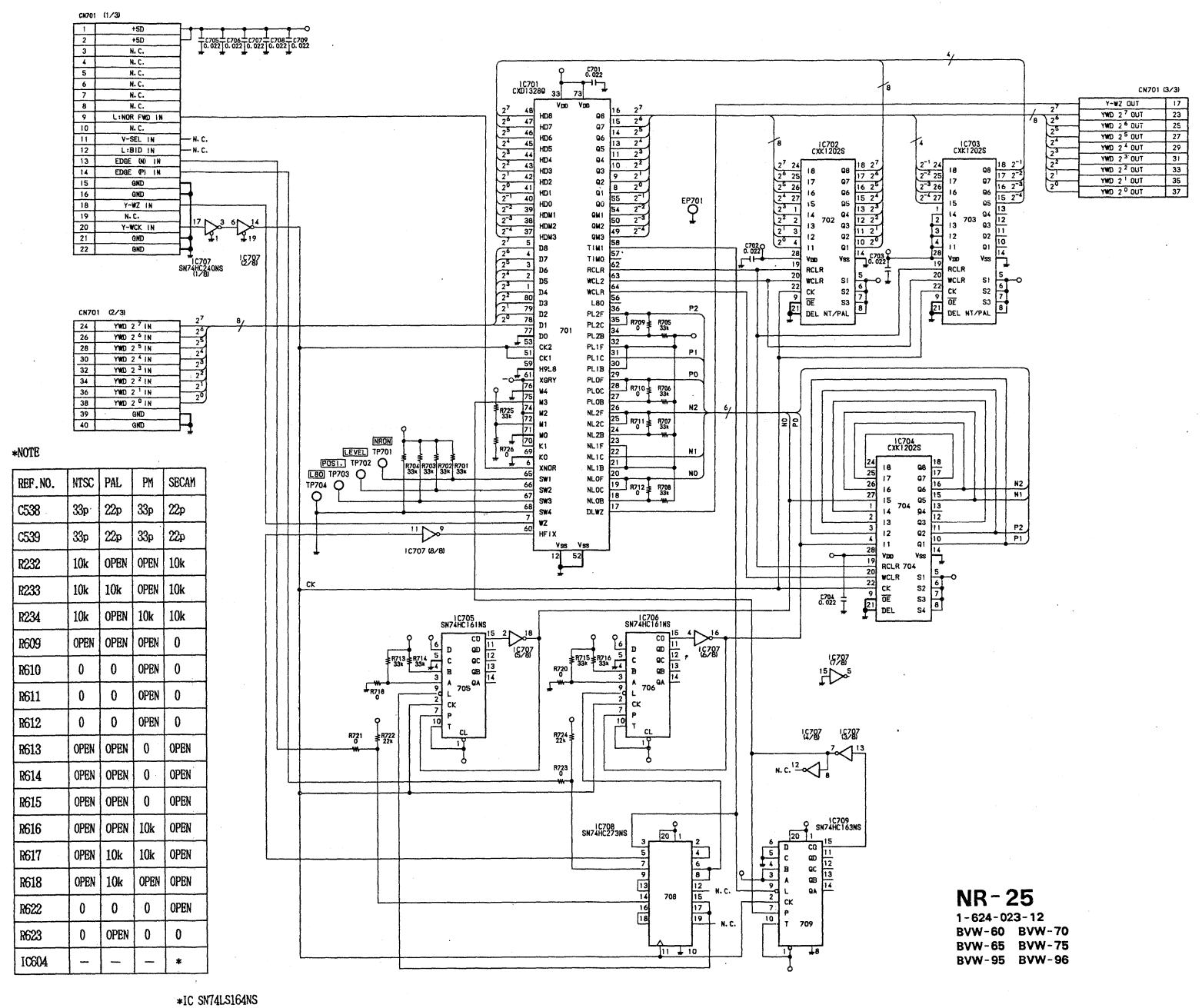
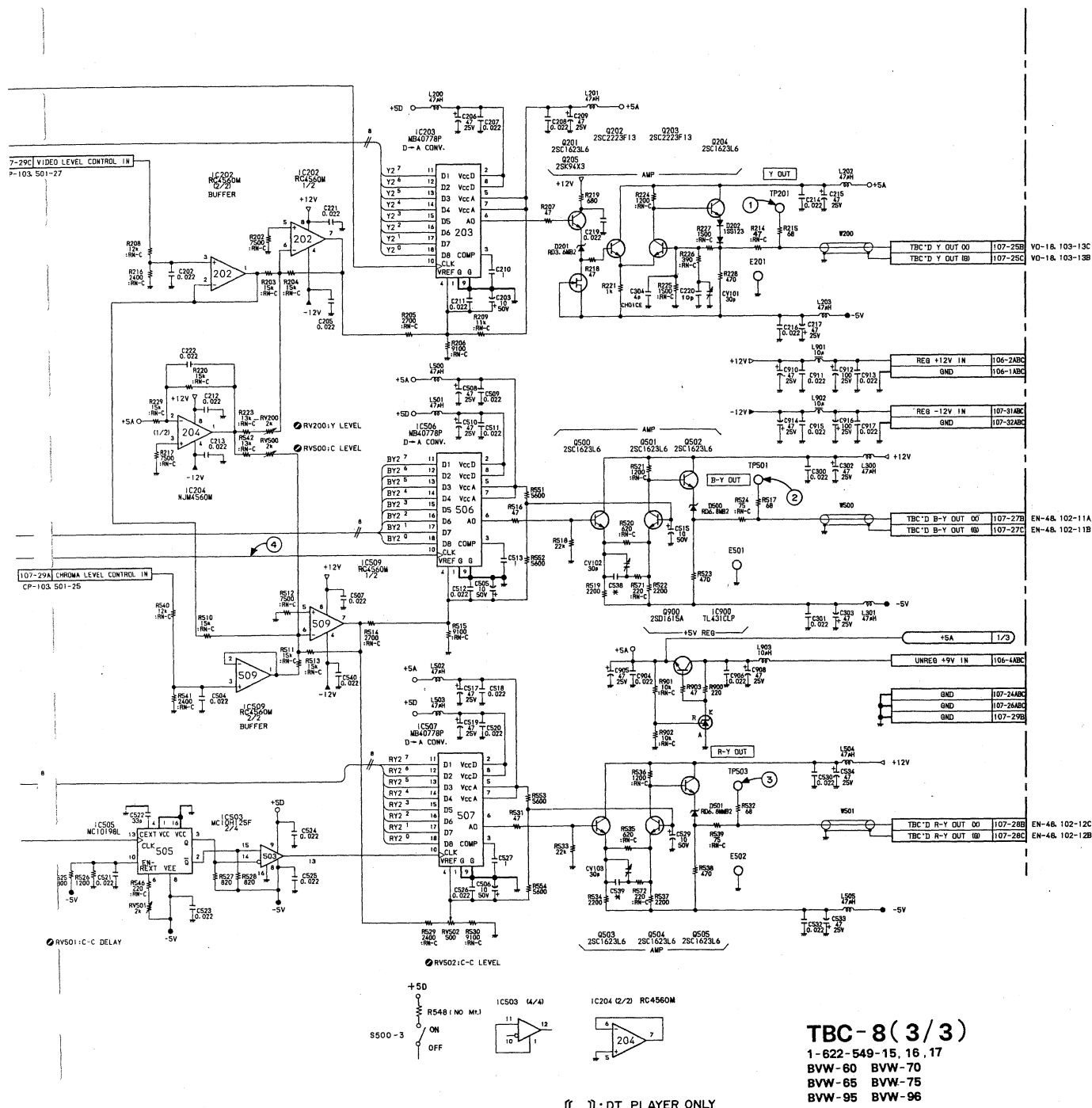
[[]]; DT PLAYER ONLY

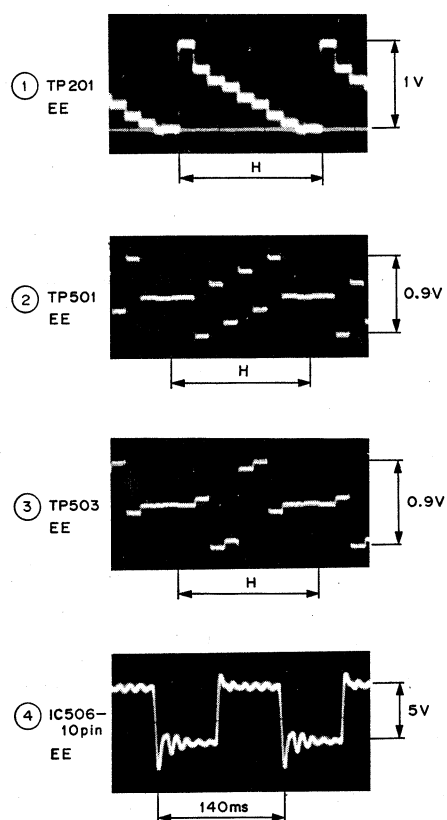




TBC-8 (3/3) ; D/A CONVERTER
NR-25 ; Y DIGITAL NOISE REDUCTION



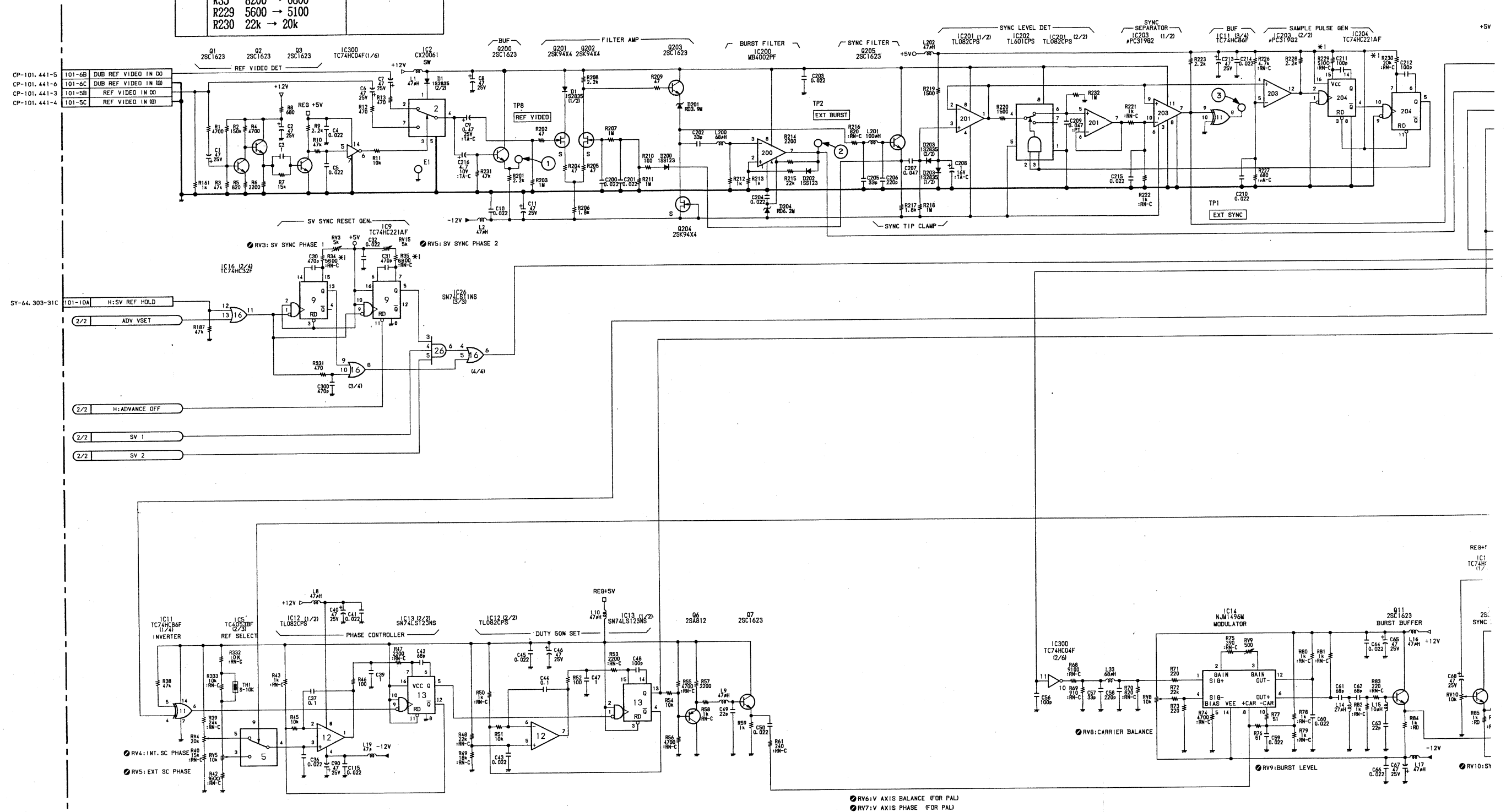


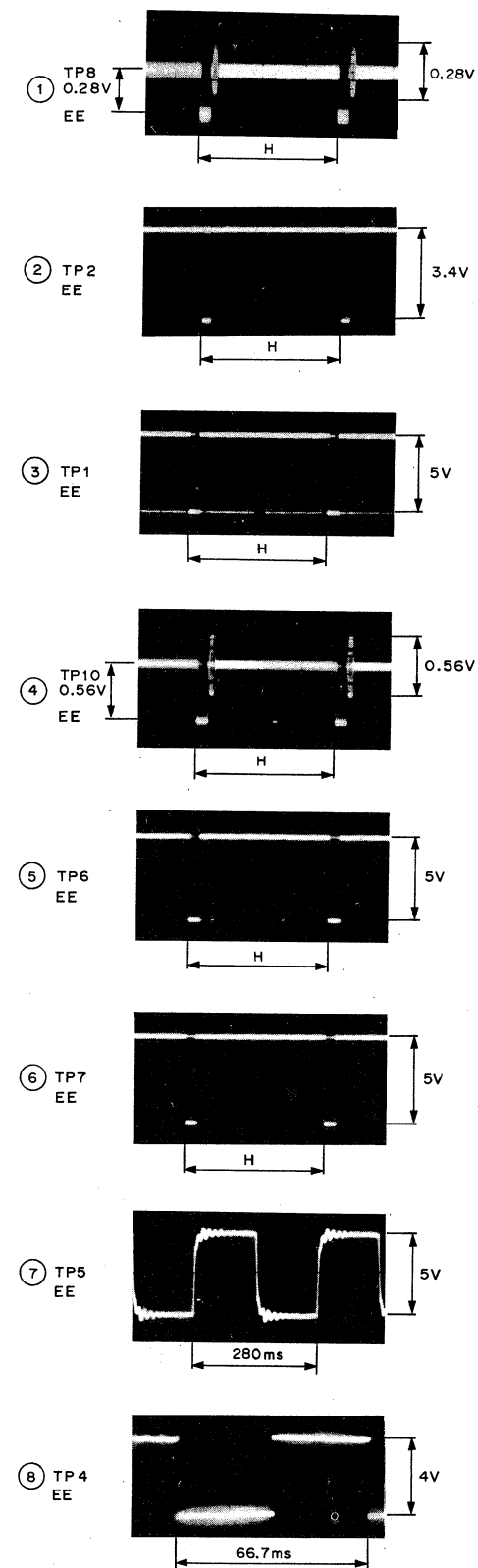
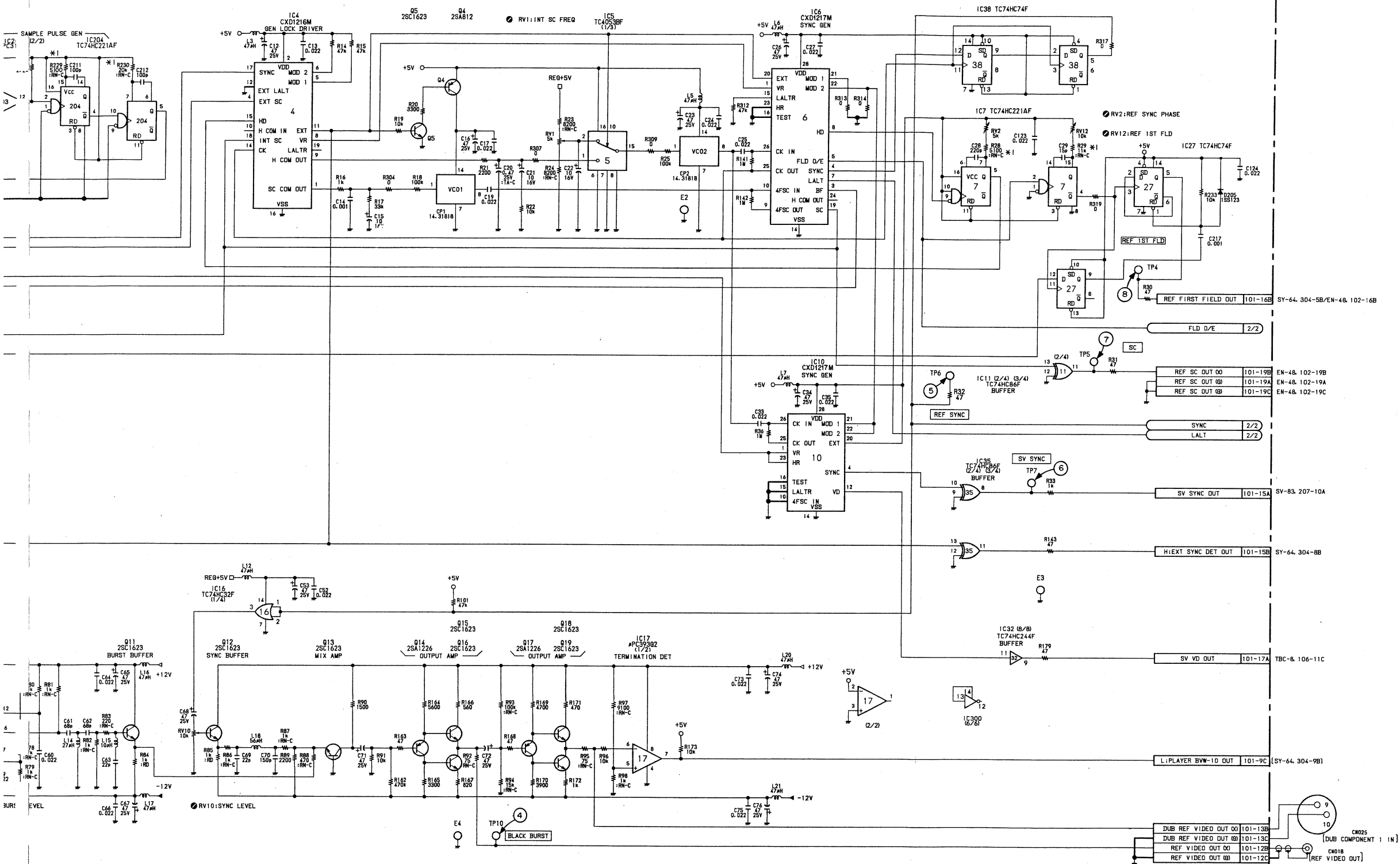


TBC-9 (1/2) ; REFERENCE SIGNAL GENERATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R28 5600 → 5100 R29 10k → 11k R34 6800 → 5600 R35 8200 → 6800 R229 5600 → 5100 R230 22k → 20k	UC: S/N 16544 ~ J: S/N 12874 ~





[]; RECORDER ONLY

TBC-9 (1/2)

1-622-550-13

BVW-60 BVW-70

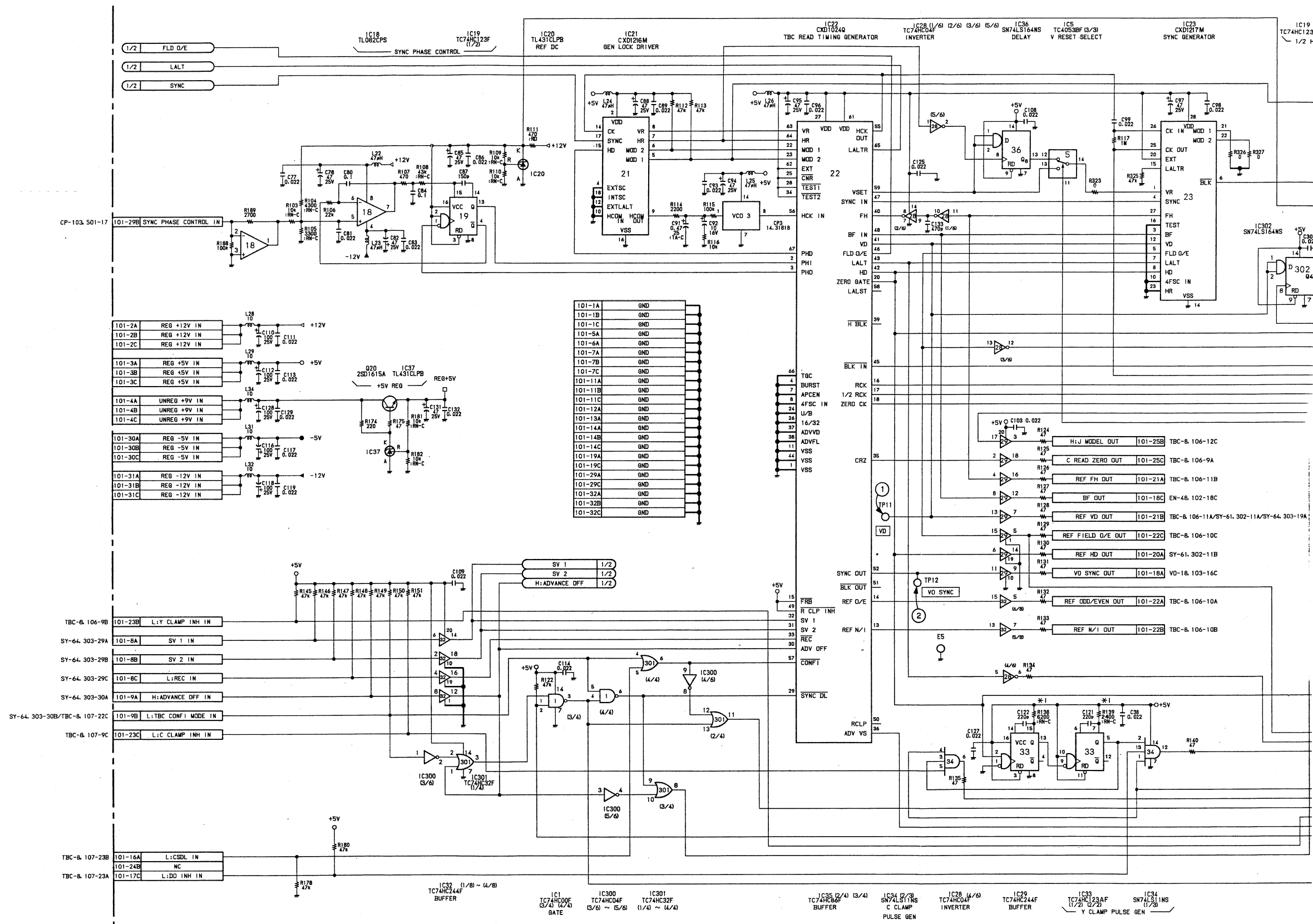
BVW-65 BVW-75

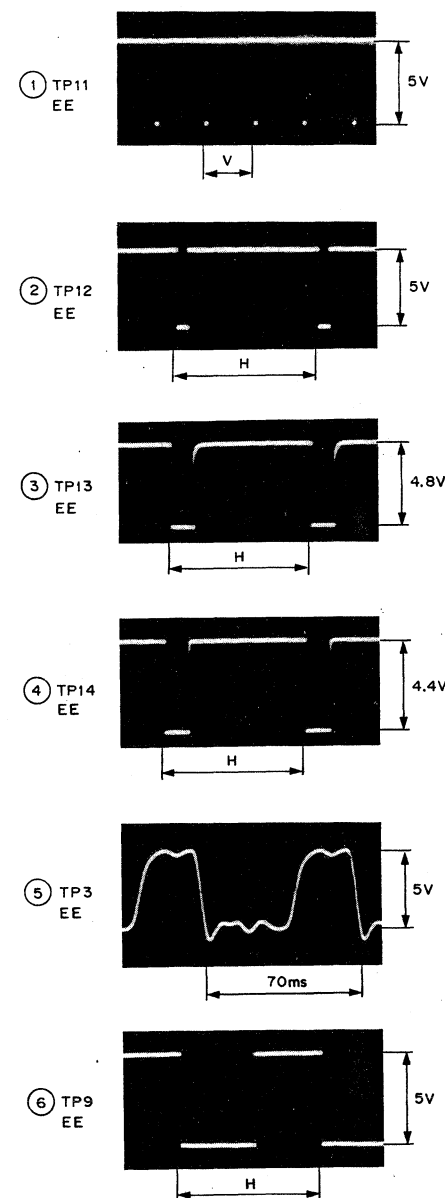
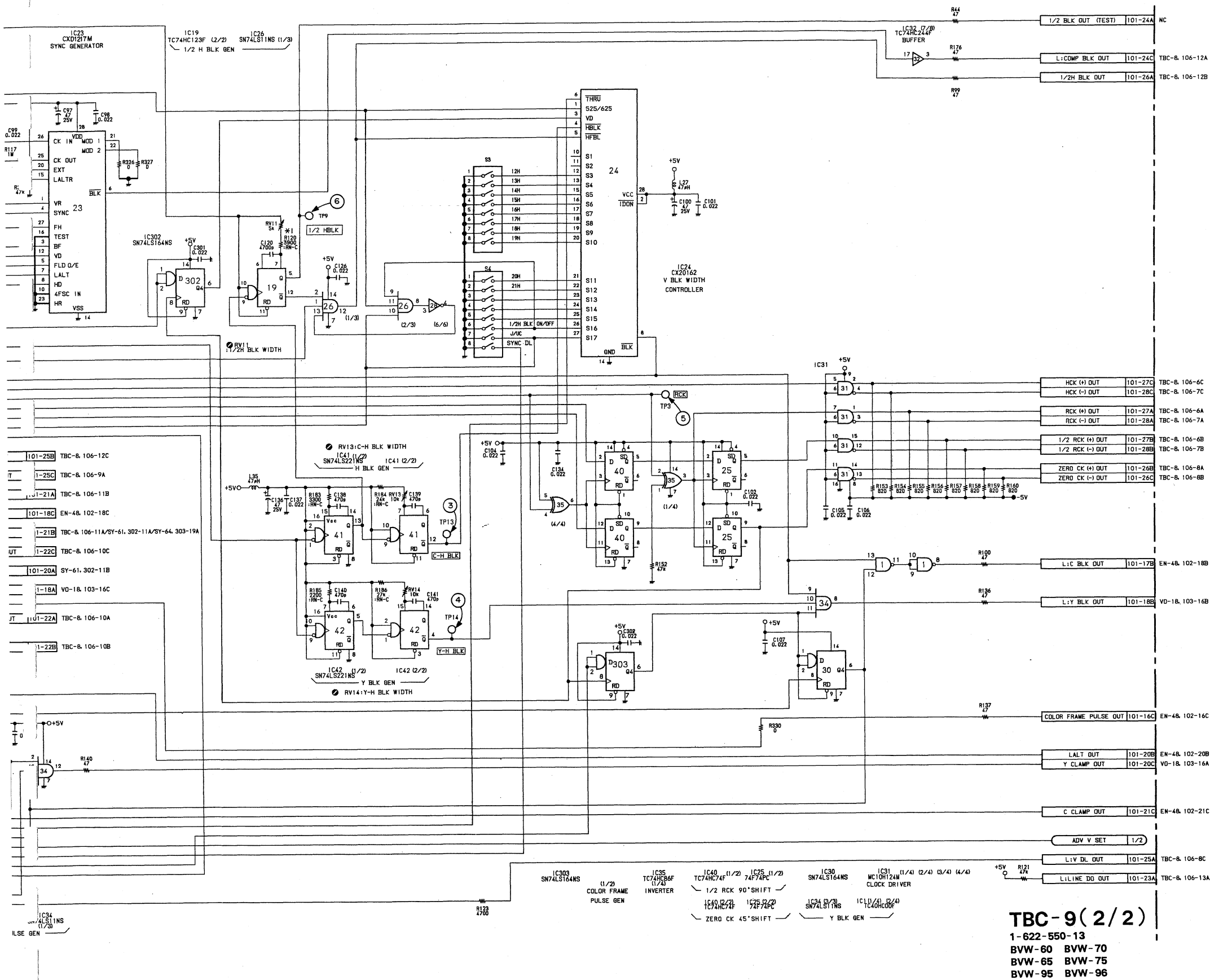
BVW-95 BVW-96

TBC-9 (2/2) ; TBC READ TIMING GENERATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R120 9100 → 3900 R138 8200 → 6200 R139 3300 → 2400	UC: S/N 16544 ~ J: S/N 12874 ~

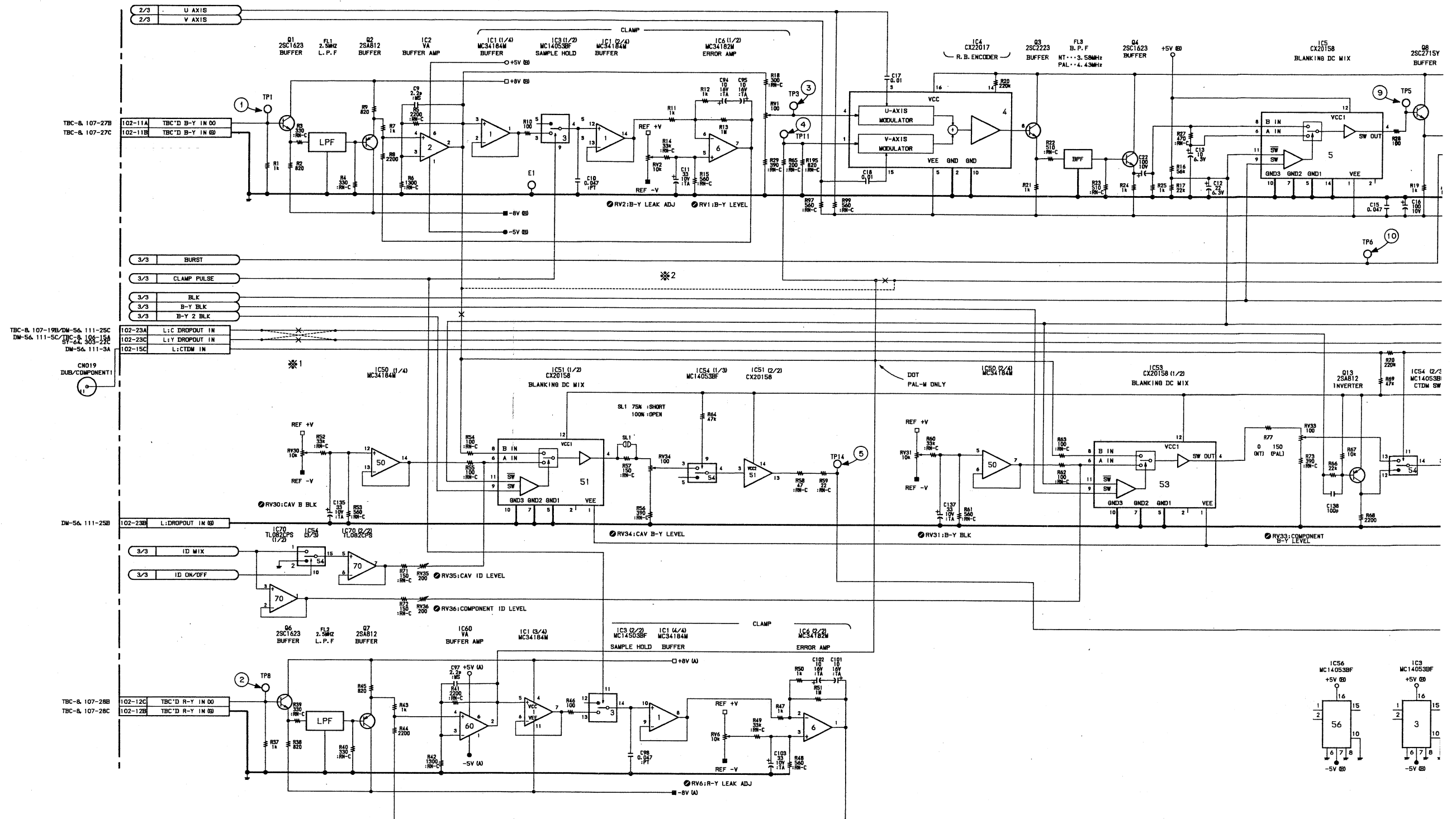


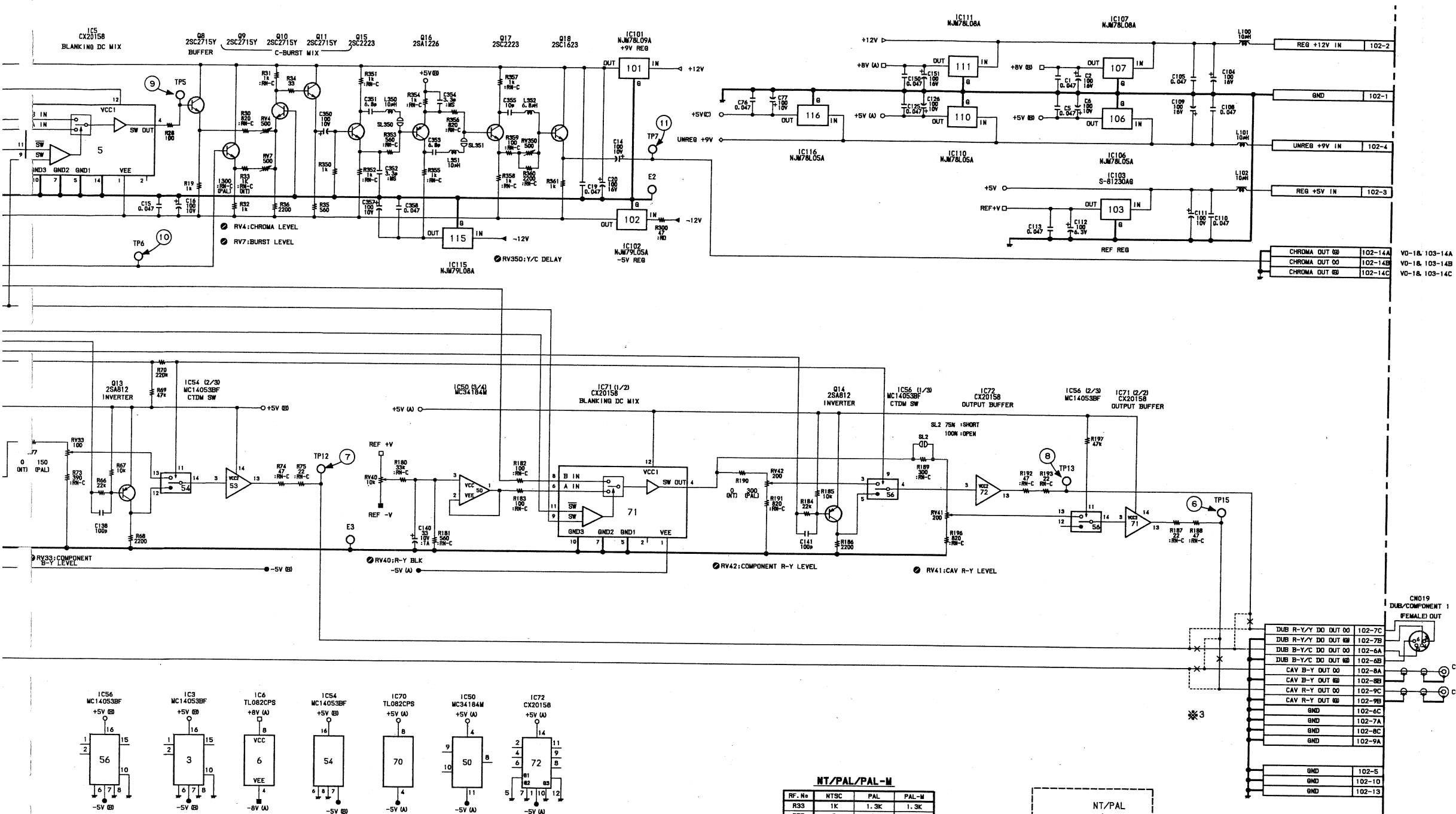


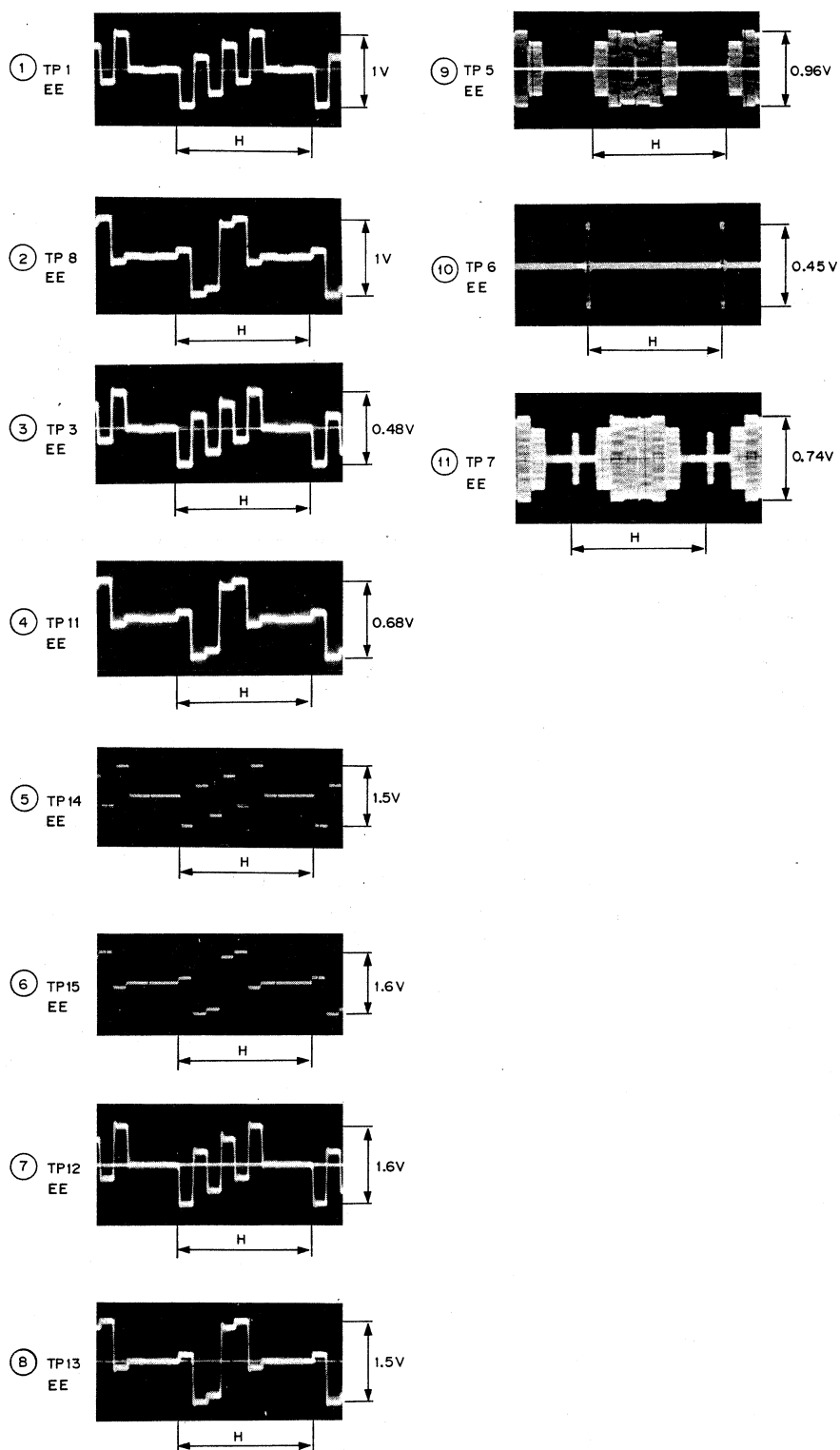
TBC-9 (2/2)

1-622-550-13
 BVW-60 BVW-70
 BVW-65 BVW-75
 BVW-95 BVW-96

EN-48 (1/3) ; C ENCODER

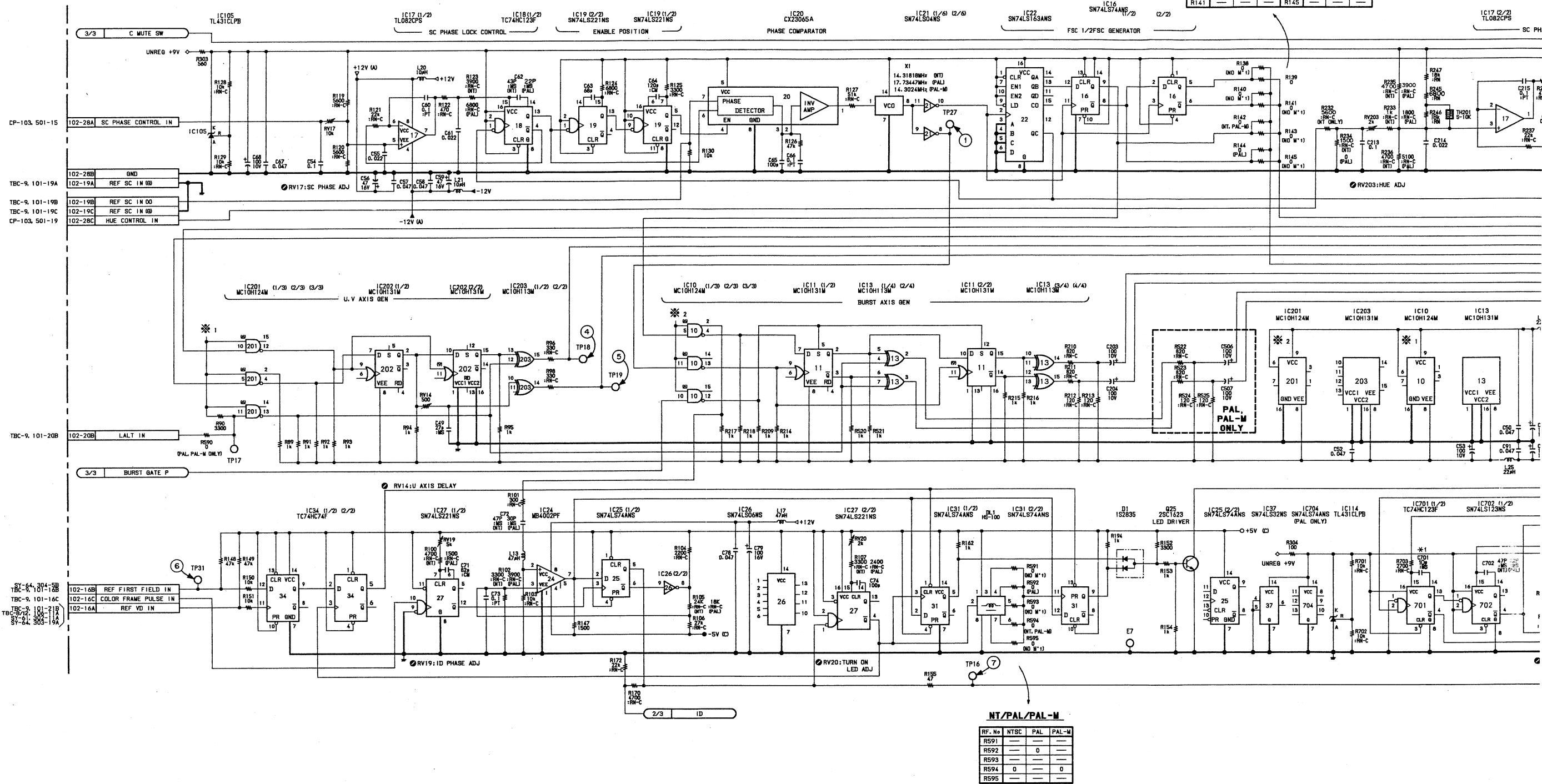




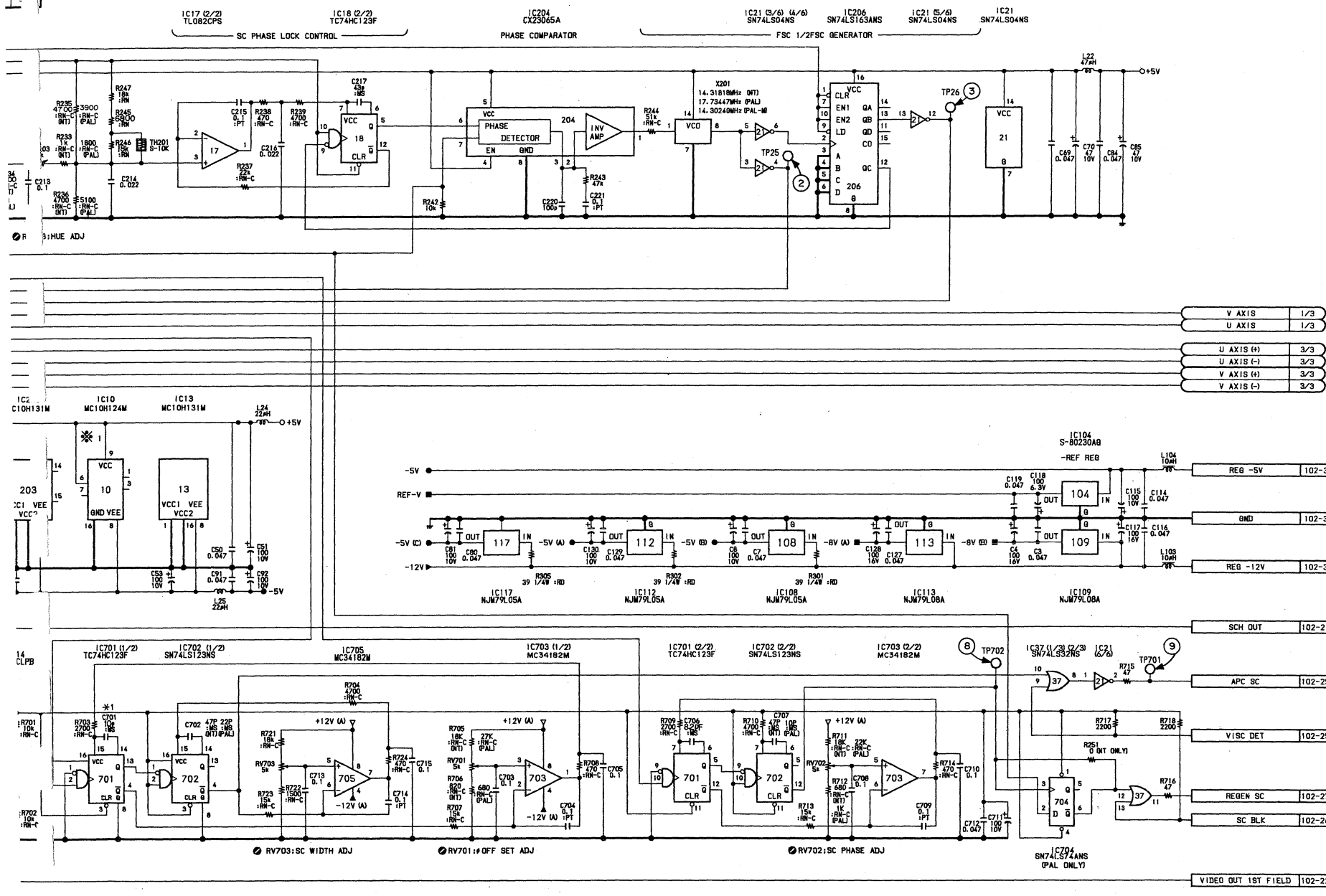


NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C701 27pF→10pF	UC; S/N 13781 ~ J; S/N 11569 ~



PAL-M
0

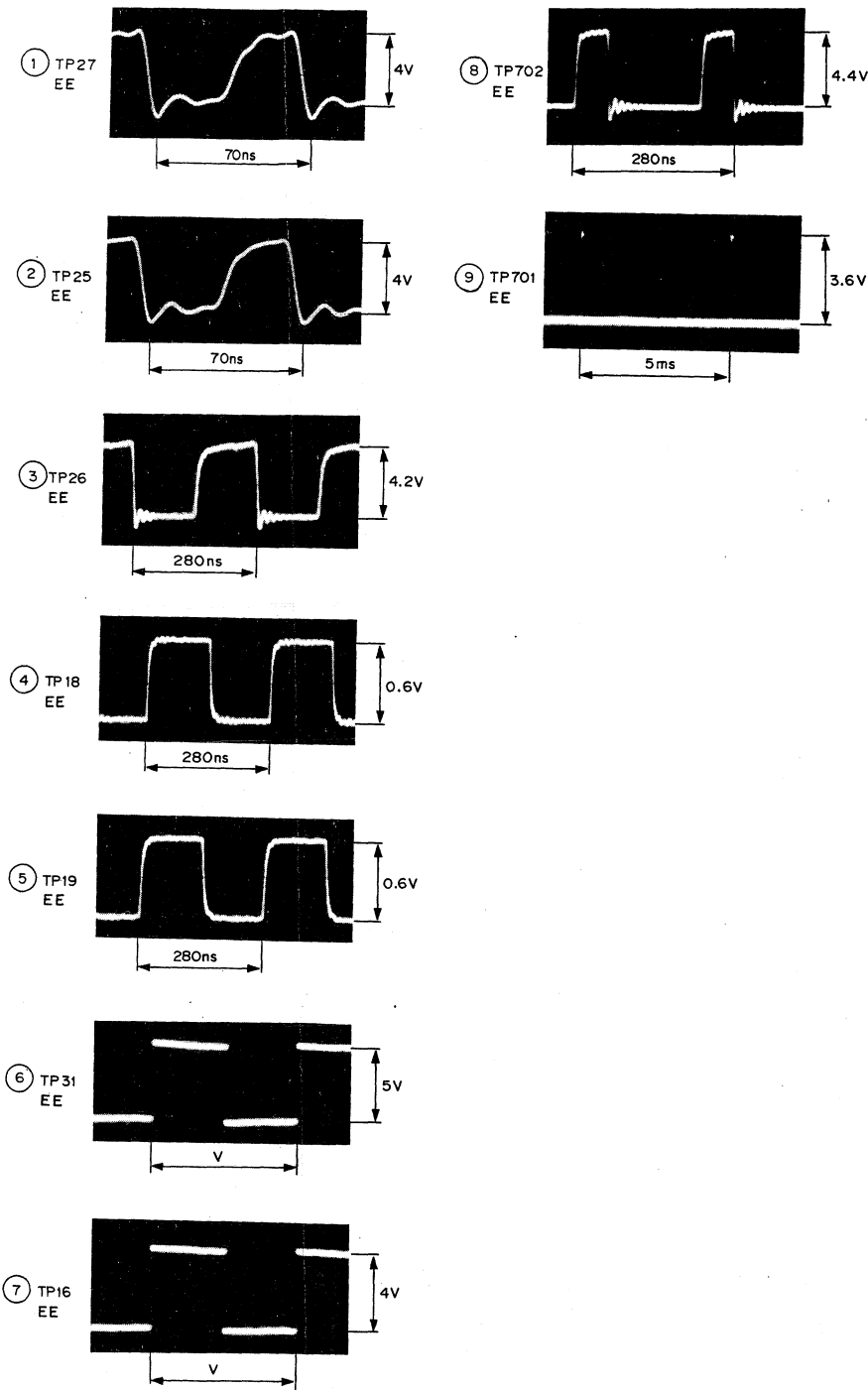


NT/PAL/PAL-M

RF. No	NTSC	PAL	PAL-M	RF. No	NTSC	PAL	PAL-M	RF. No	NTSC	PAL	PAL-M	RF. No	NTSC	PAL	PAL-M
C62	43P	22P	43P	R100	4.7K	1.5K	4.7K	R232	4.3K	—	—	R590	—	0	0
C72	47P	30P	47P	R102	3.3K	3.9K	3.3K	R233	3.3K	1.8K	1K	R705	18K	27K	18K
C702	47P	22P	47P	R105	24K	18K	24K	R234	1.8K	0	1.5K	R706	820	680	820
C707	47P	10P	47P	R107	3.3K	2.4K	3.3K	R235	5.6K	3.3K	4.7K	R711	18K	22K	18K
				R123	3.9K	6.8K	3.9K	R236	4.7K	5.1K	4.7K	R712	680	1K	680
IC704	—	SN74LS14ANS	—					R251	0	—	0				
X1	14.31MHz	17.73MHz	14.30MHz												
X201	14.31MHz	17.73MHz	14.30MHz												

EN-48 (2/3)

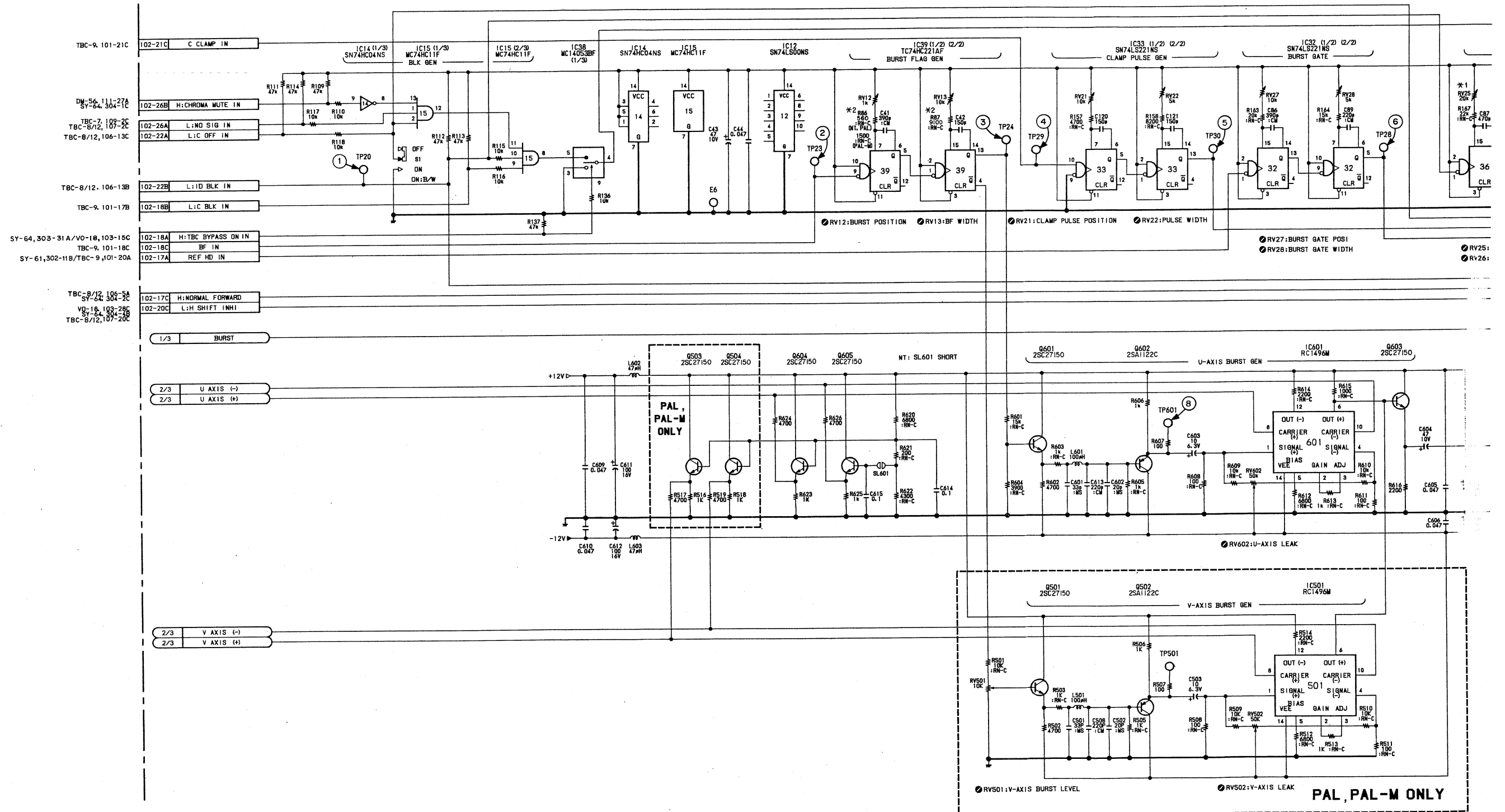
1-622-546-14, 15
 BVW-60 BVW-70
 BVW-65 BVW-75
 BVW-95 BVW-96

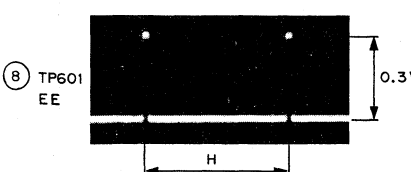
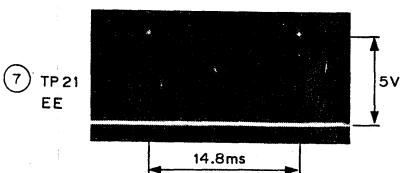
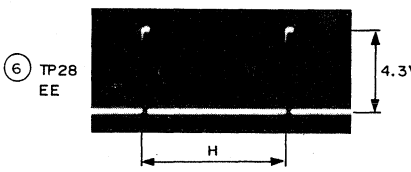
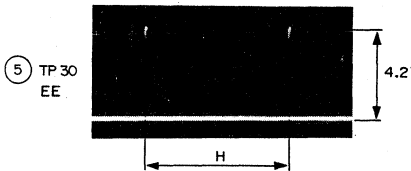
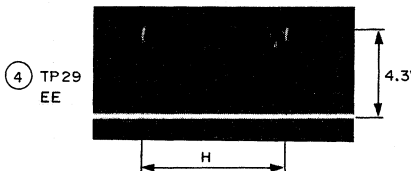
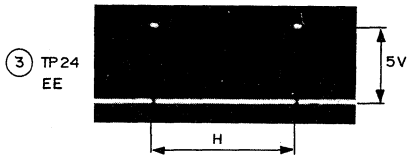
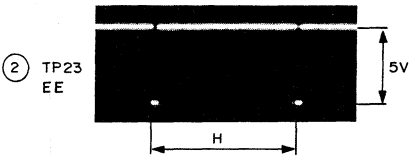
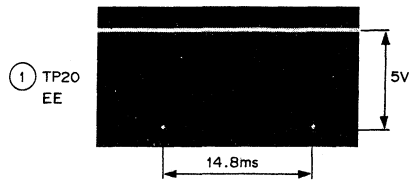
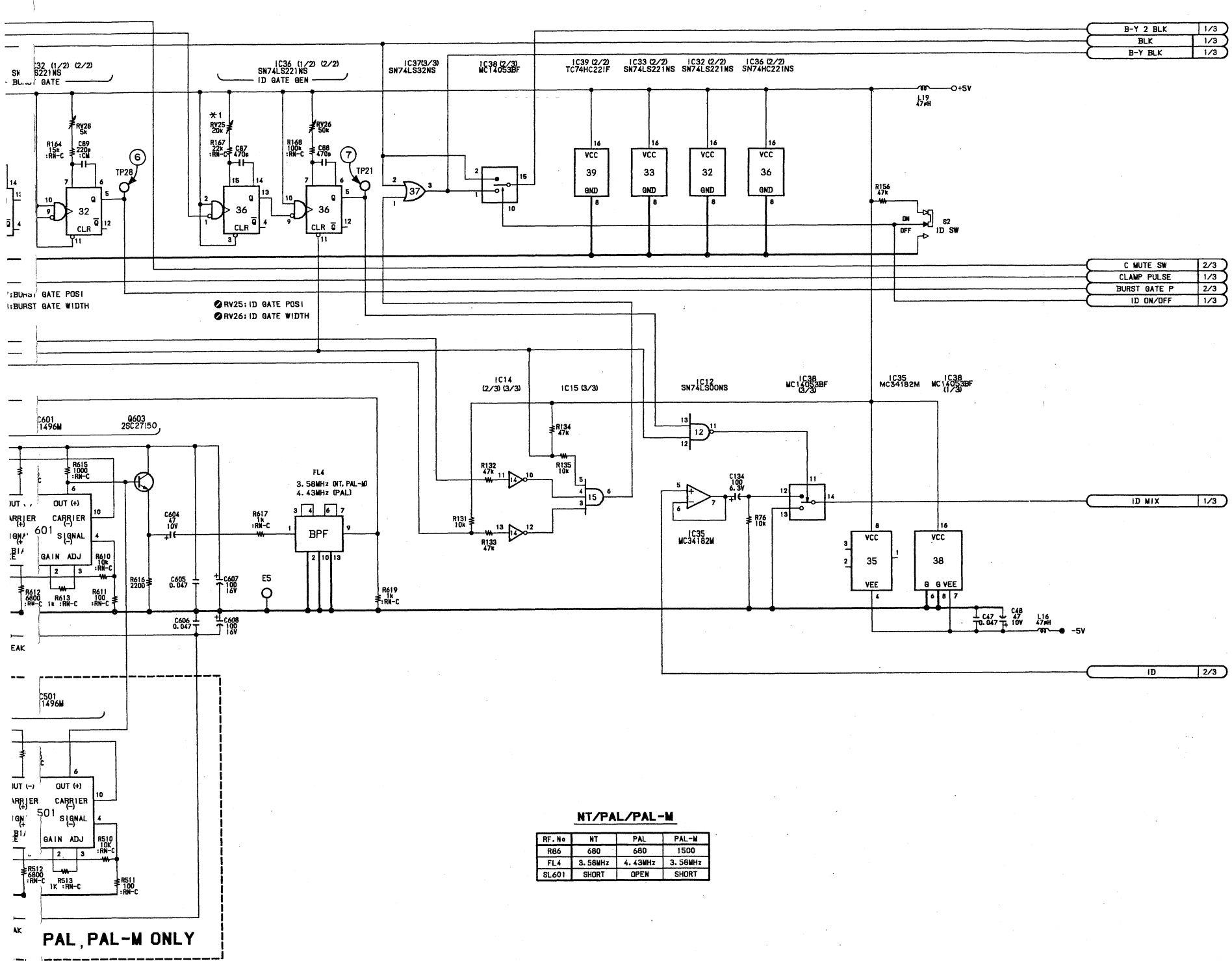


EN-48 (3/3) ; C BLK/BURST GENERATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	RV25 10k → 20k	UC; S/N 14175 ~ J; S/N 11619 ~
*2	R86 680 → 560 R87 10k → 9100	UC; S/N 16544 ~ J; S/N 12874 ~



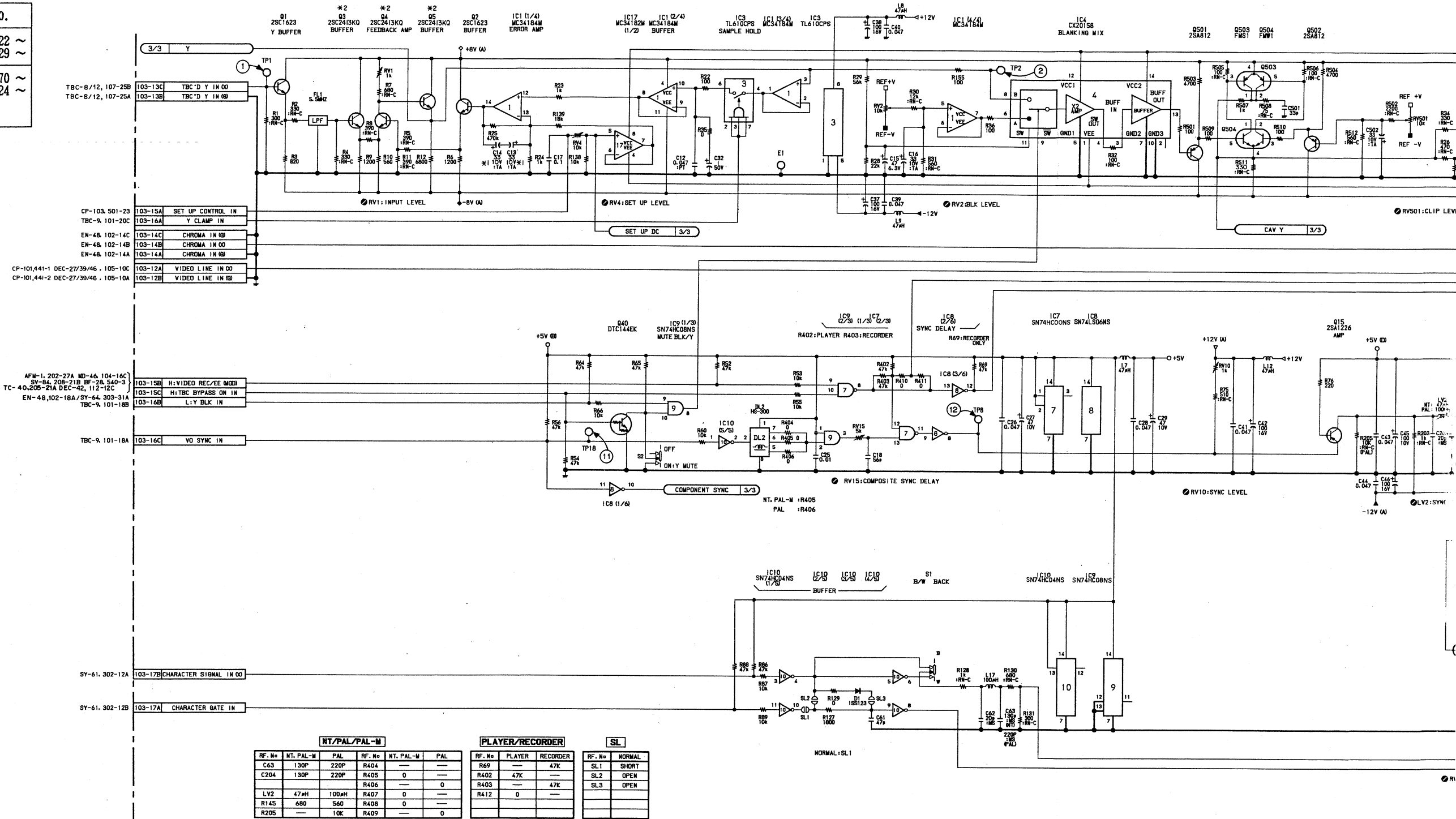


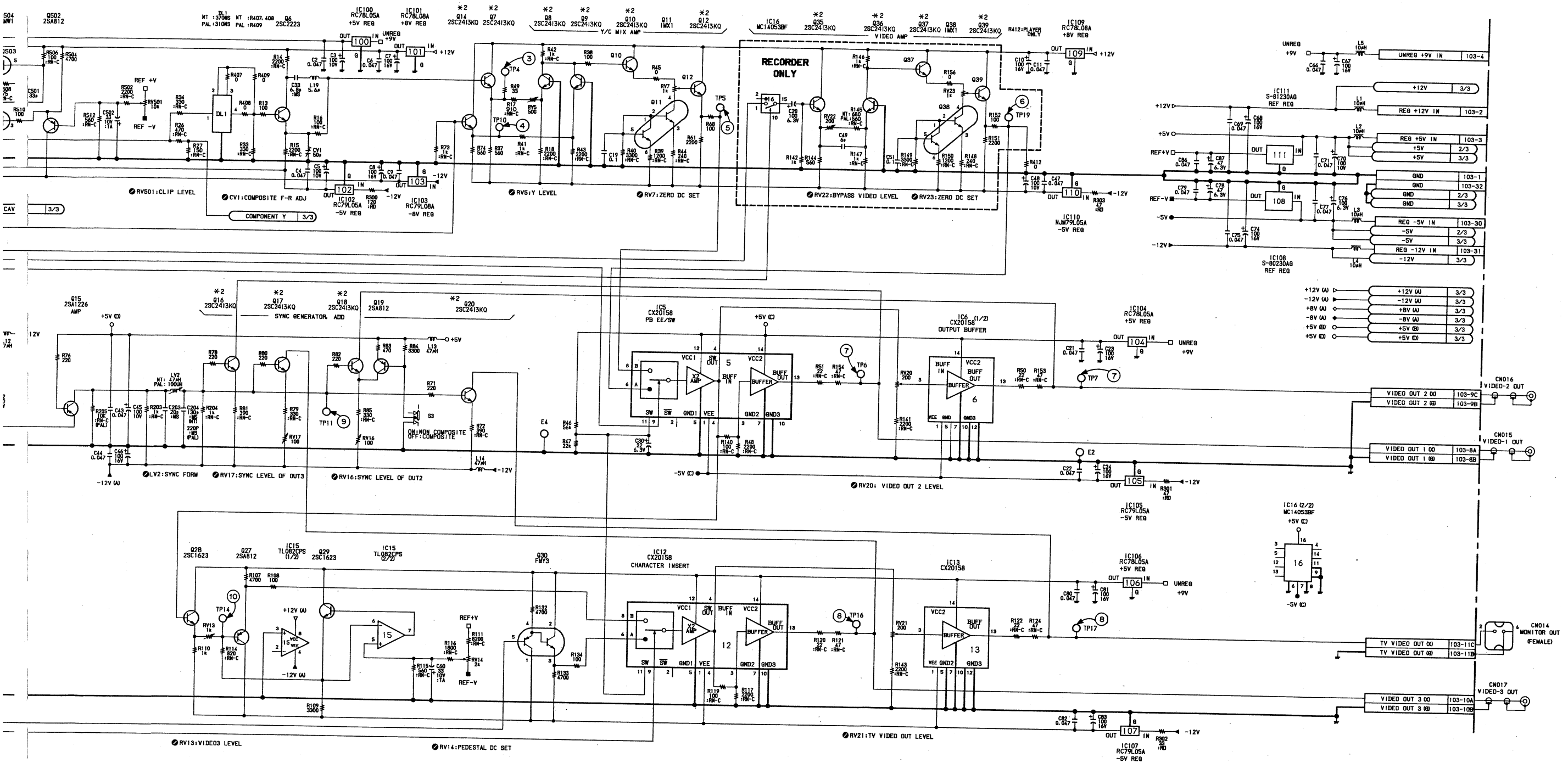
EN-48 (3/3)
1-622-546-14, 15
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

VO-18 (1/3) ; VIDEO OUTPUT

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C13 10/25V → 33/10V C14 10/25V → 33/10V	UC: S/N 14822 ~ J: S/N 12029 ~
*2	Q3,4,5,7,8,9,10,12,14, Q16,17,18,20,35,36,37, Q39 2SC2715Y → 2SC2413KQ	UC: S/N 16570 ~ J: S/N 13024 ~





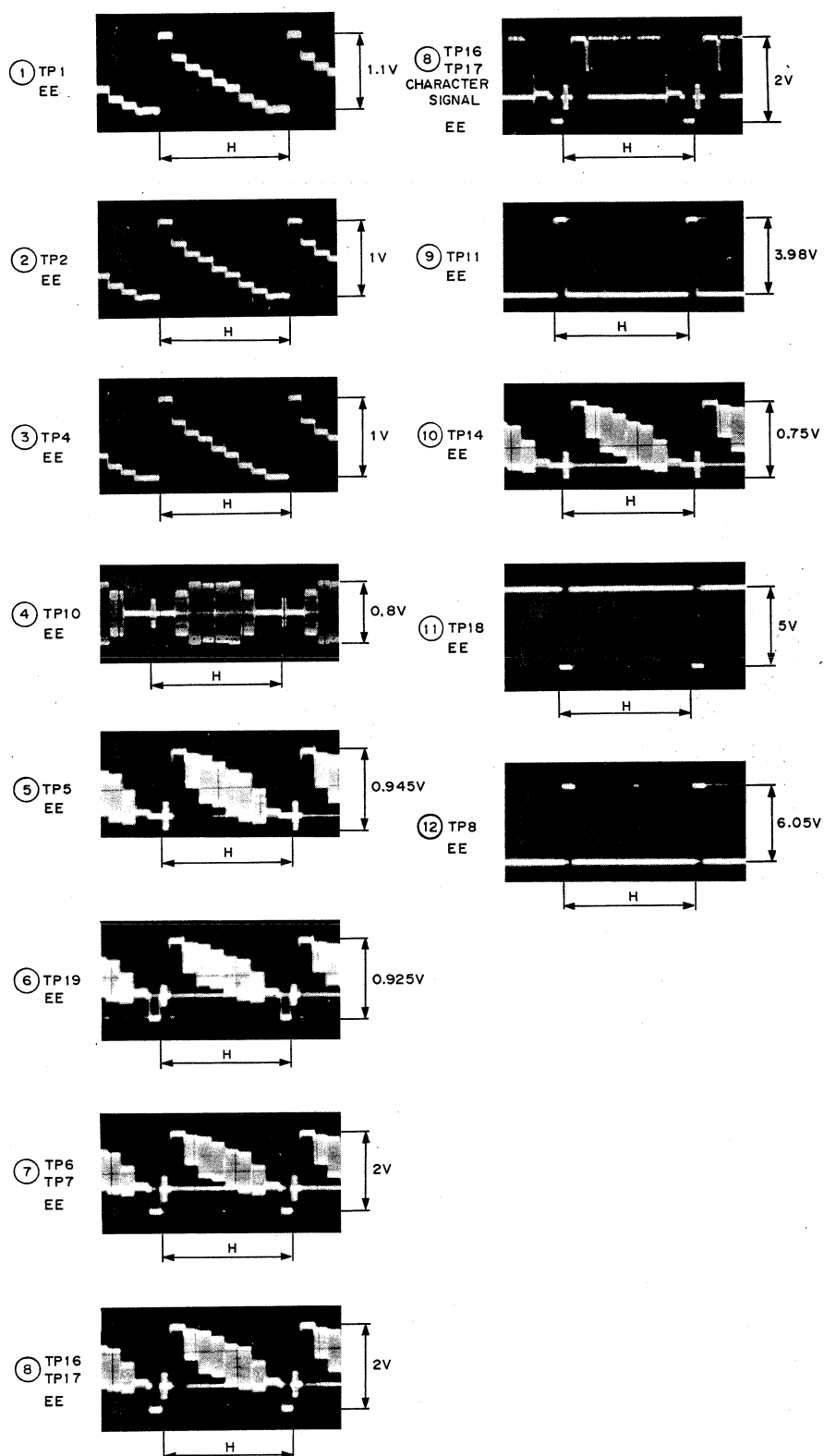
VO-18(1/3)

1-622-547-15, 16

BVW-70

BVW-75

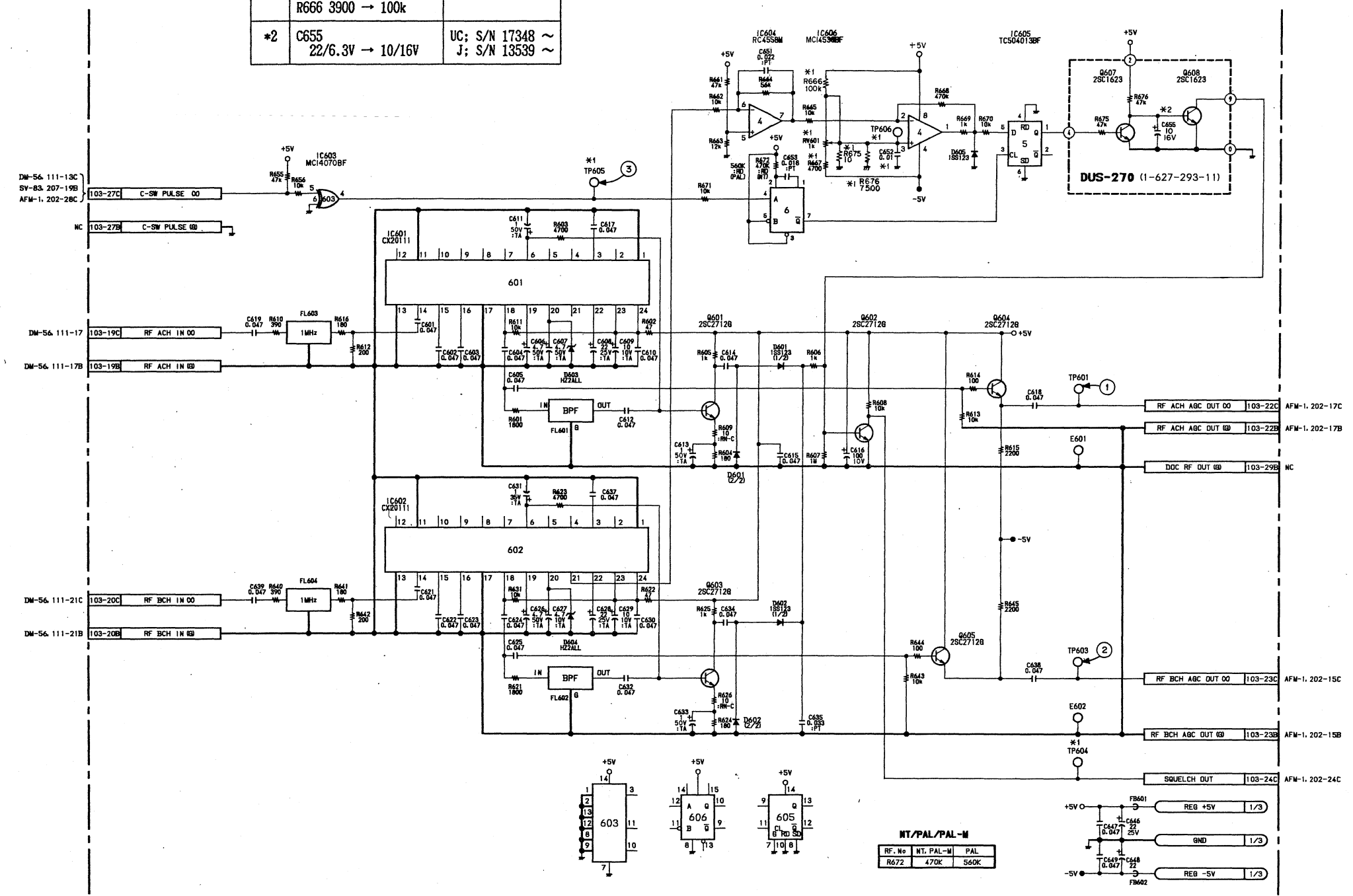
BVW-96



VO-18 (2/3); AGC FOR AFM
VO-18 (3/3); SCH DETECTOR
DUS-270; SQUELCH BUFFER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED C652, R667, RV601 TP604, TP605, TP606 ADDED R675, R676 R666 3900 → 100k	UC; S/N 14657 ~ J; S/N 11949 ~
*2	C655 22/6.3V → 10/16V	UC; S/N 17348 ~ J; S/N 13539 ~

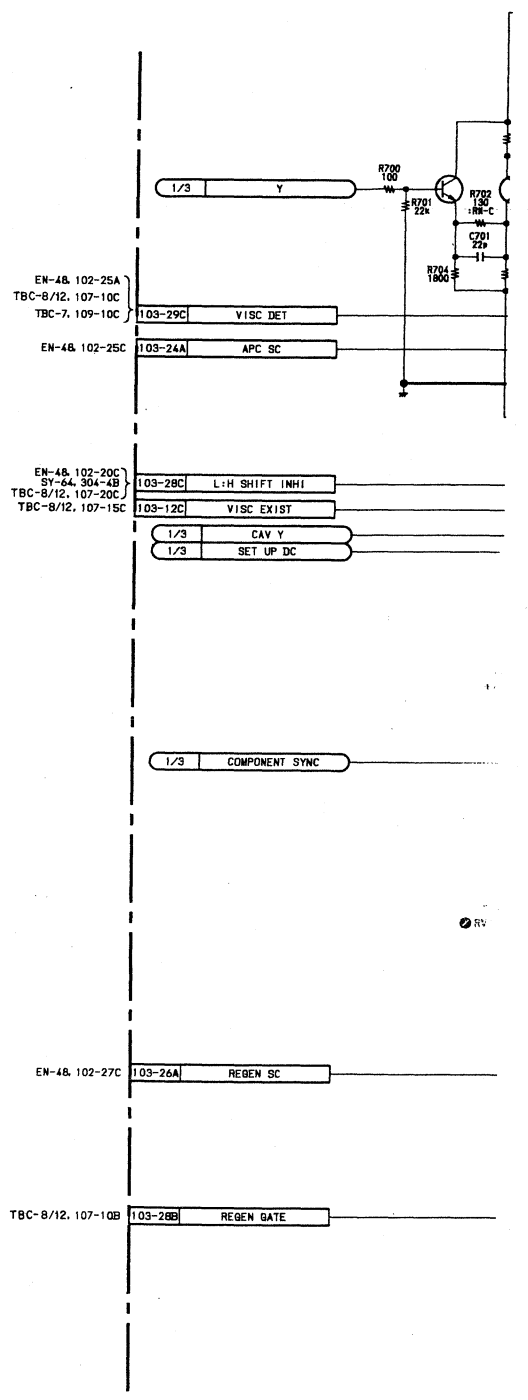


RF. No.	NT. PAL-M	PAL
R672	470K	560K

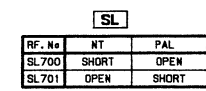
VO-18(2/3)
1-622-547-15, 16
BVW-70
BVW-75
BVW-96

NOTE

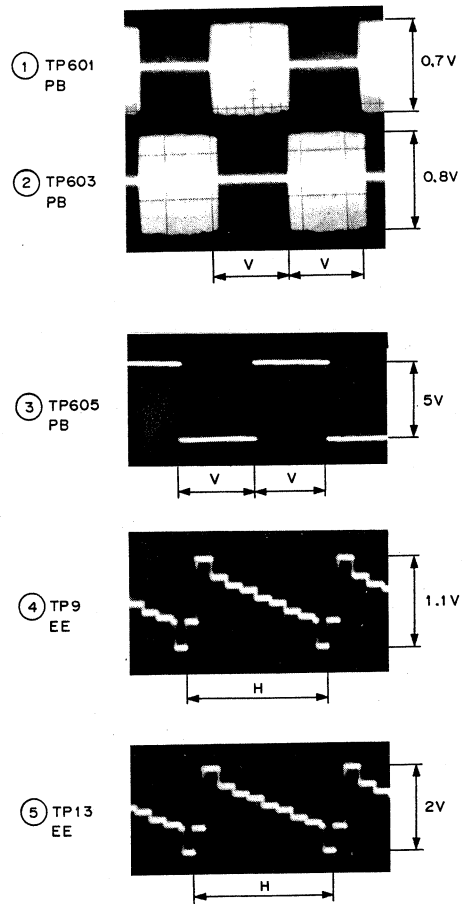
MARK	CHANGE INFORMATION	SERIAL NO.
*1	R724 33k → 15k	UC; S/N 16544 ~ J; S/N 12874 ~
*2	Q25, 32, 700, 701 2SC2715Y → 2SC2413KQ	UC; S/N 16570 ~ J; S/N 13024 ~



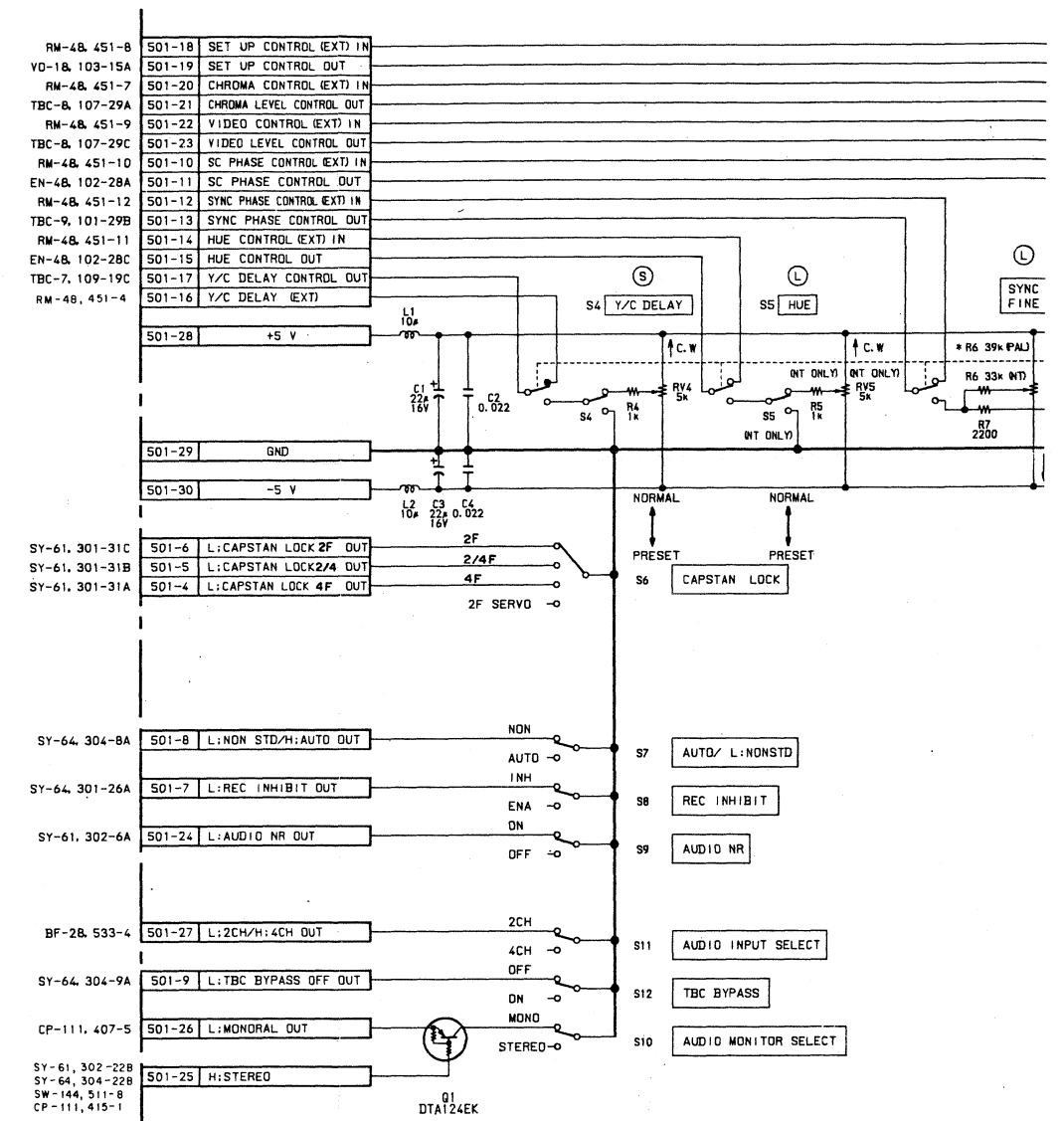
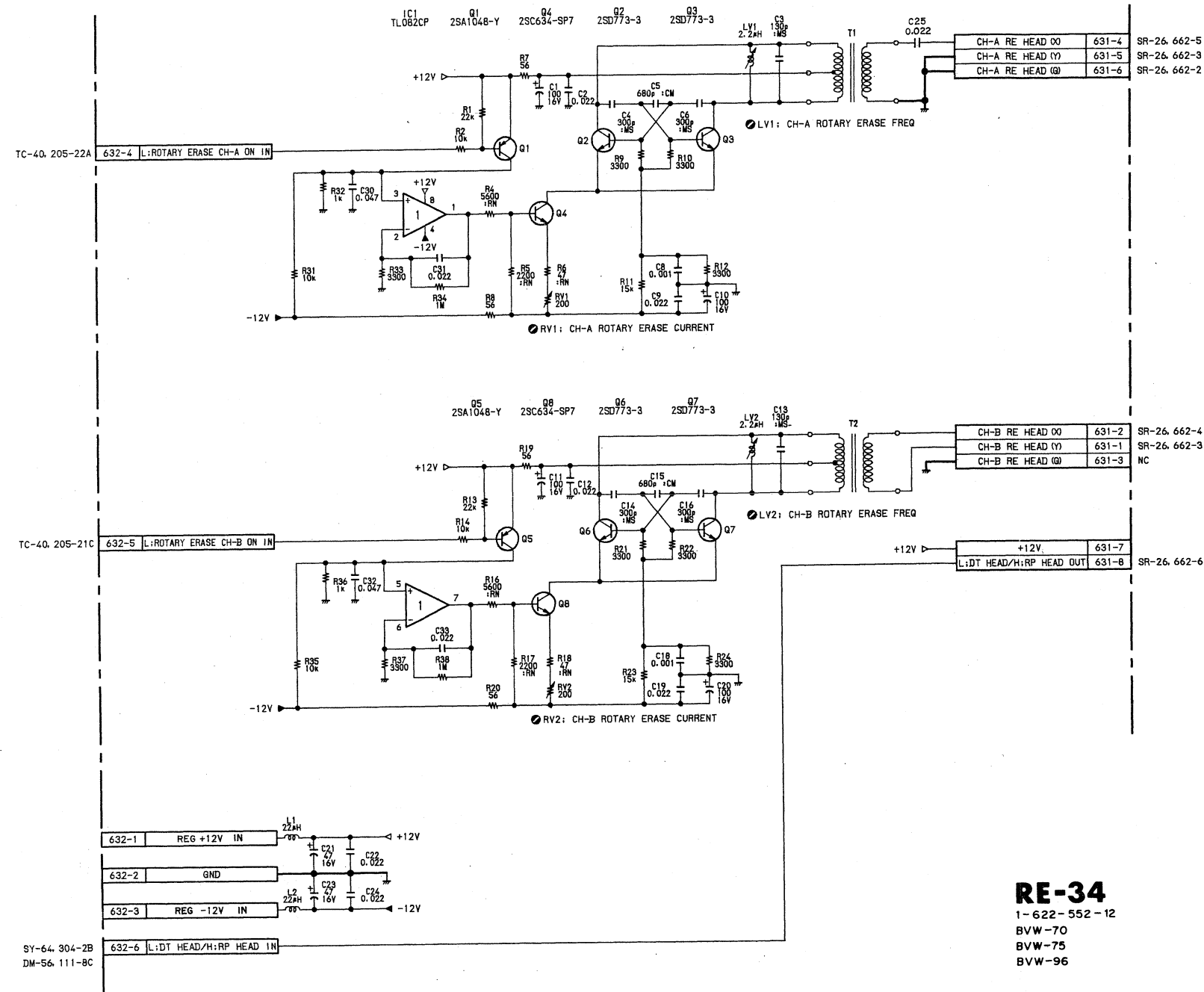
J; S/N 13024

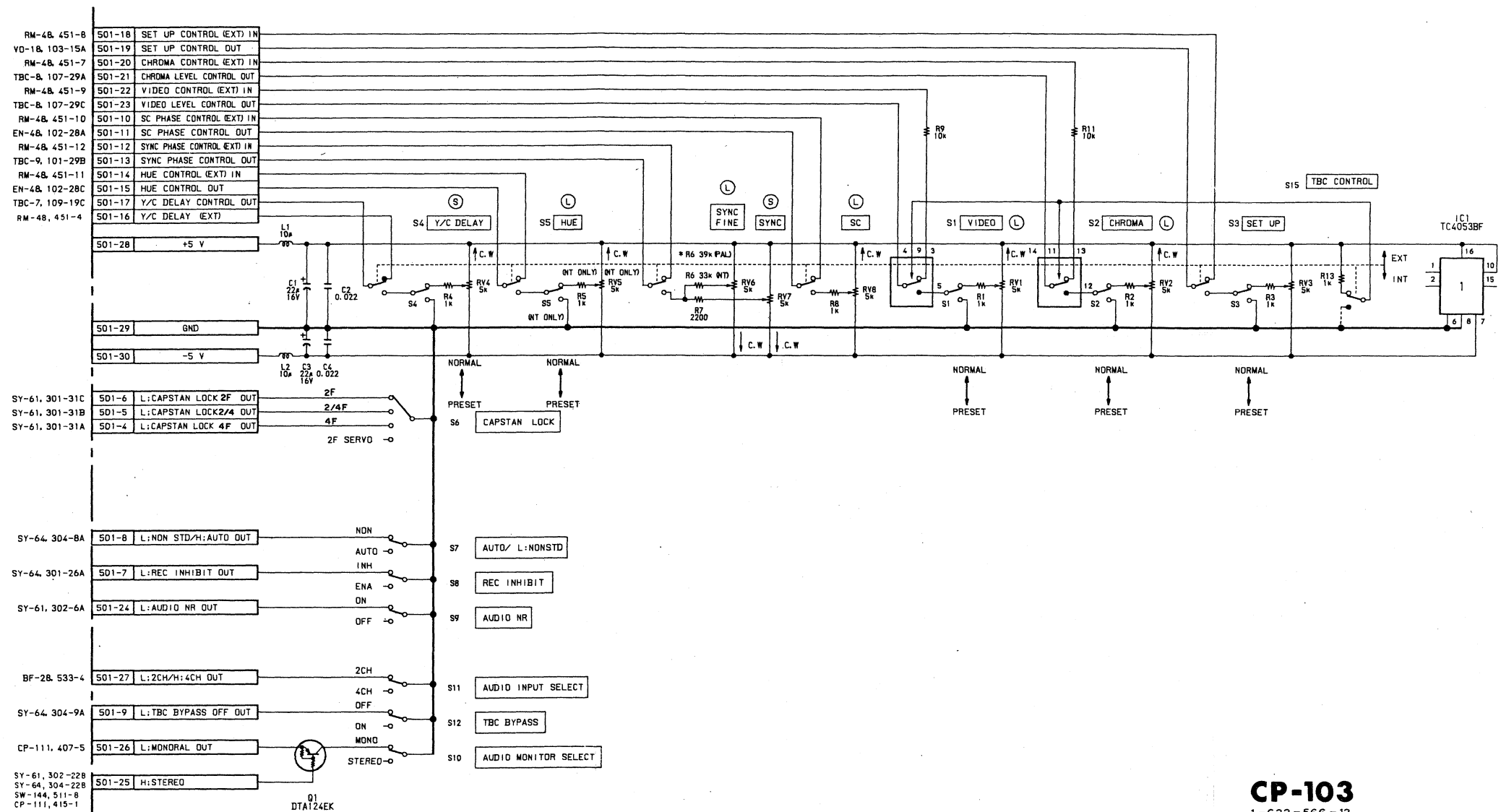
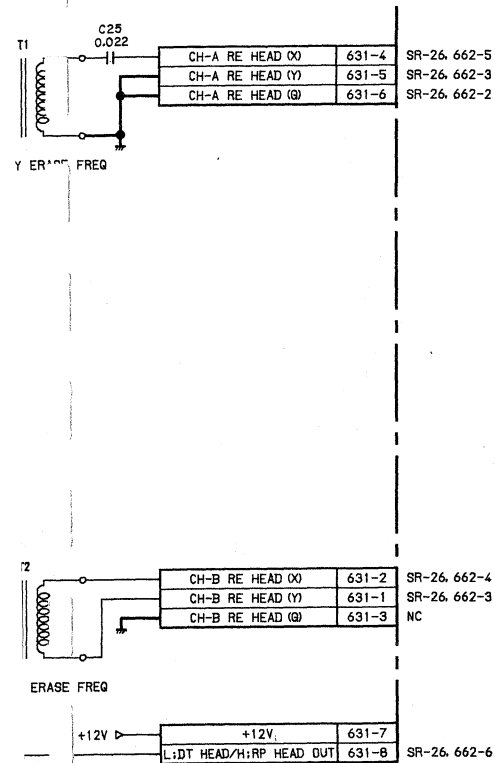


BVW-96



RE-34; ROTARY ERASE
CP-103; SUB CONTROL PANEL





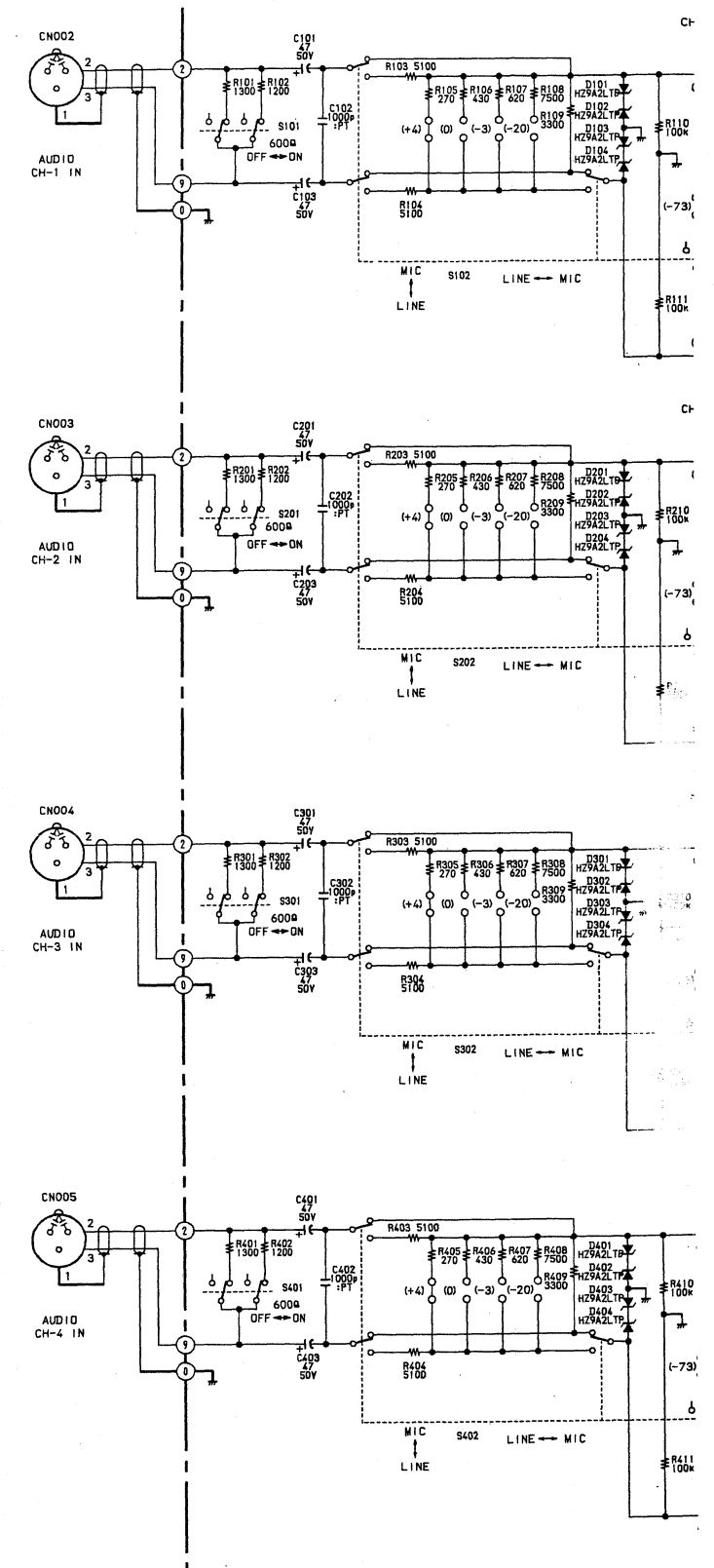
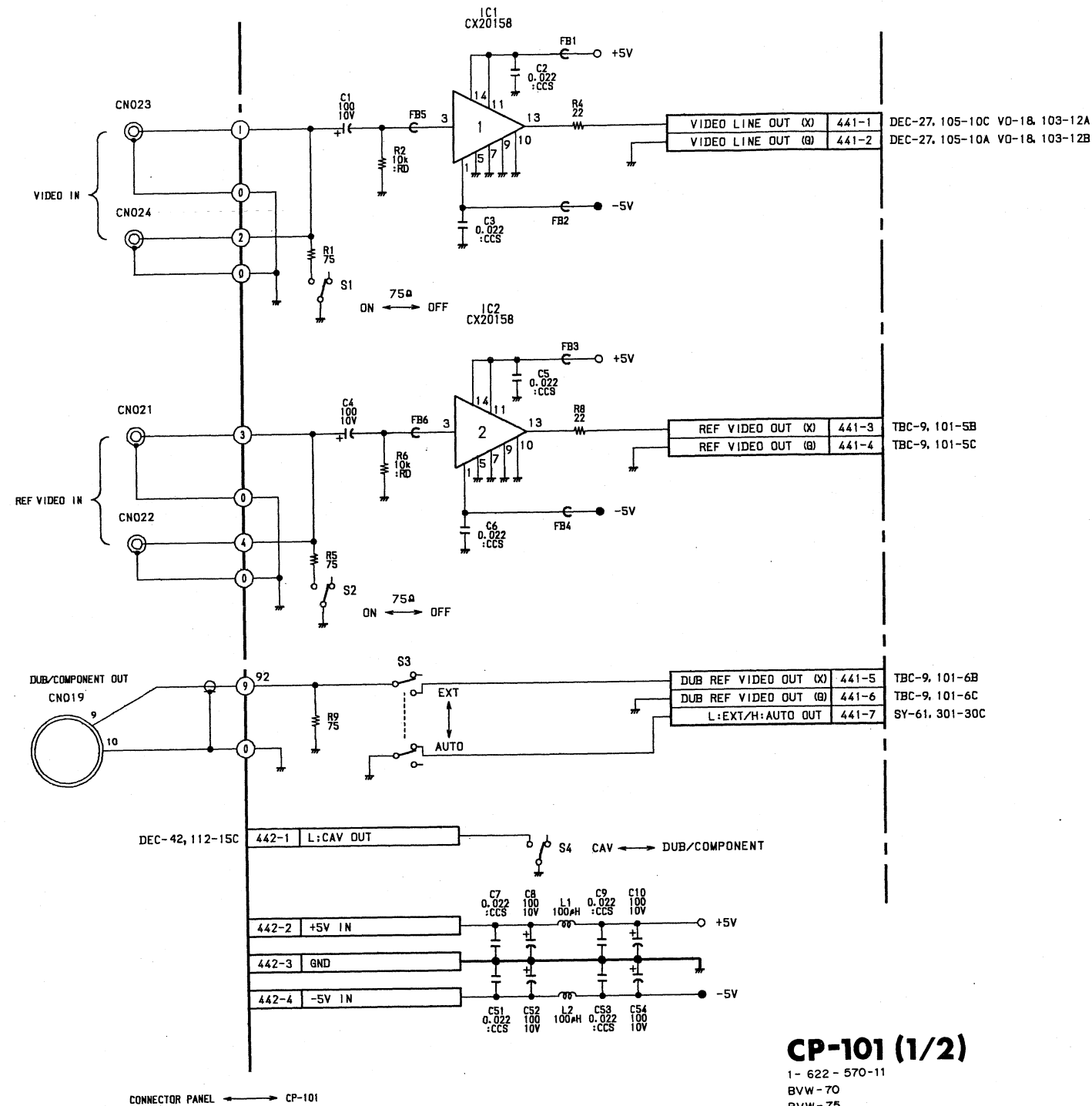
RE-34

1-622-552-12
BVW-70
BVW-75
BVW-96

CP-103

1-622-566-12
BVW-70
BVW-75
BVW-96

CP-101 (1/2); VIDEO INPUT
CP-101 (2/2); AUDIO INPUT



VIDFO LINE OUT (X)	441-1	DEC-27, 105-10C VO-18, 103-12A
VID LINE OUT (B)	441-2	DEC-27, 105-10A VO-18, 103-12B

REF VIDEO OUT (X)	441-3	TBC-9, 101-5B
REF VIDEO OUT (B)	441-4	TBC-9, 101-5C

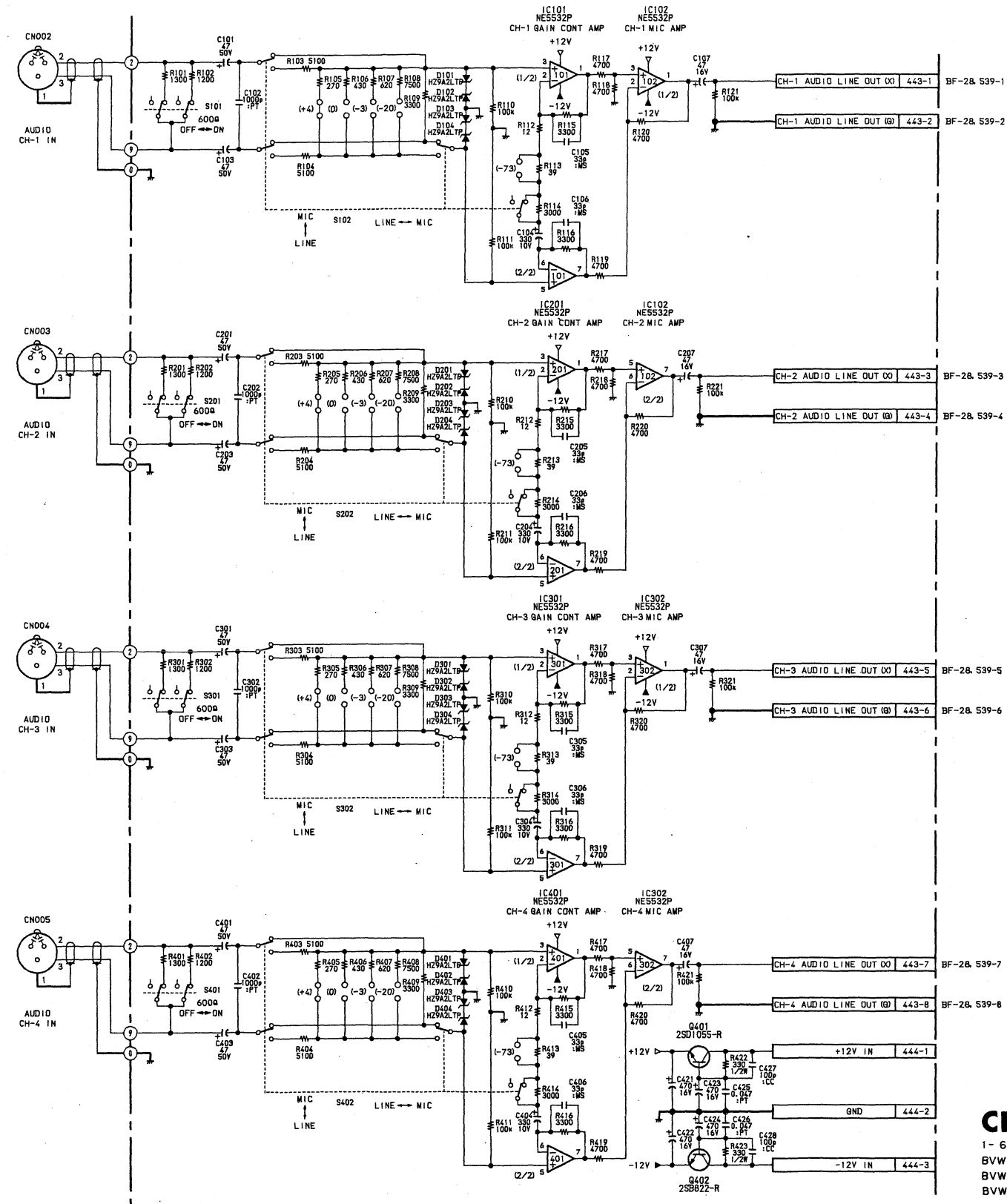
3 REF VIDEO OUT (X)	441-5	TBC-9, 101-6B
3 REF VIDEO OUT (B)	441-6	TBC-9, 101-6C
L T/H: AUTO OUT	441-7	SY-61, 301-30C

OMPONENT

0 +0V

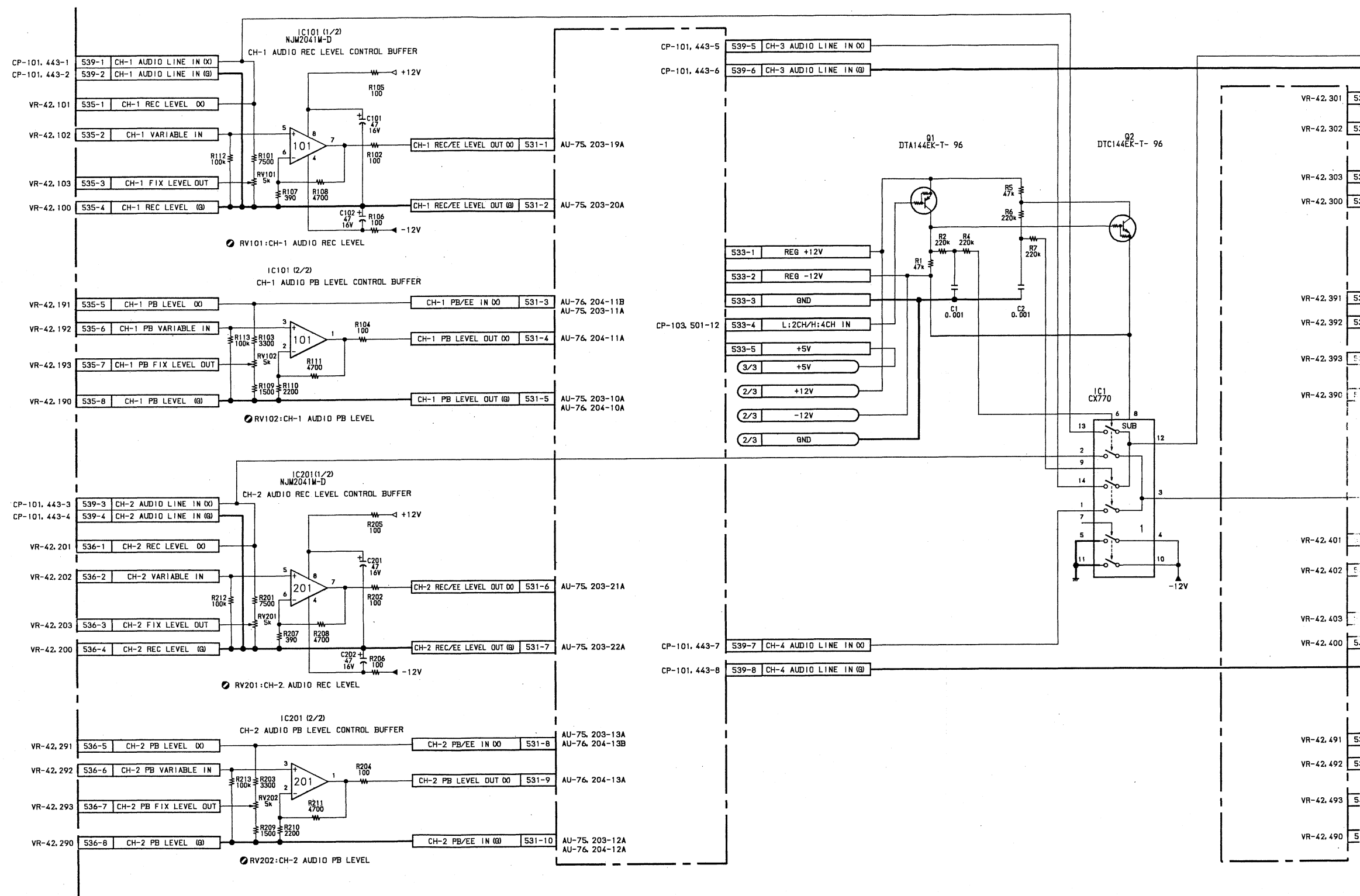
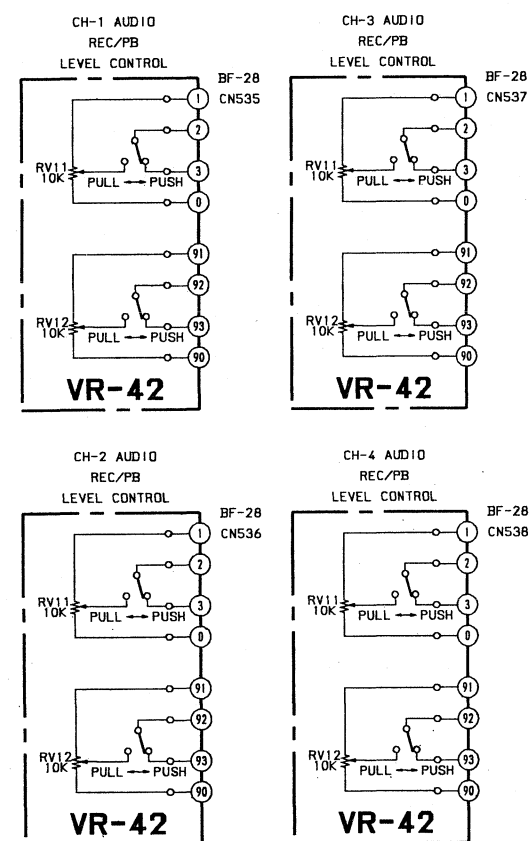
CP-101 (1/2)

1- 622 - 570-11
BVW-70
BVW-75
BVW-96



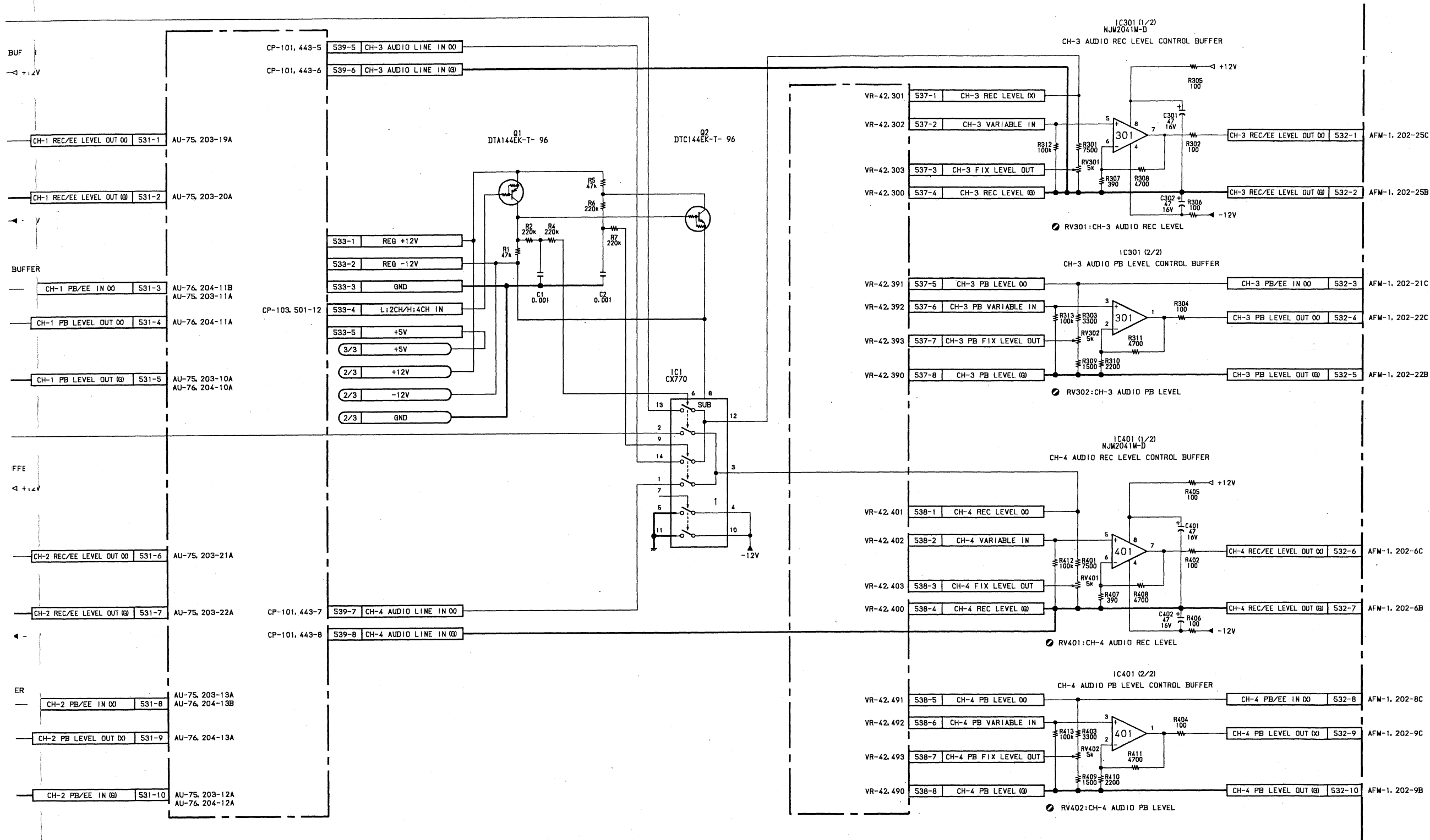
CP-101 (2/2)

1- 622 - 570-11
BVW-70
BVW-75
BVW-96

BF-28 (1/3); AUDIO REC/PB LEVEL CONTROL
VR-42; AUDIO REC/PB VOLUMEUC; Up to S/N 14821
J; Up to S/N 12028

16-206 (a)

16-207 (a)



BF-28 (1/3)

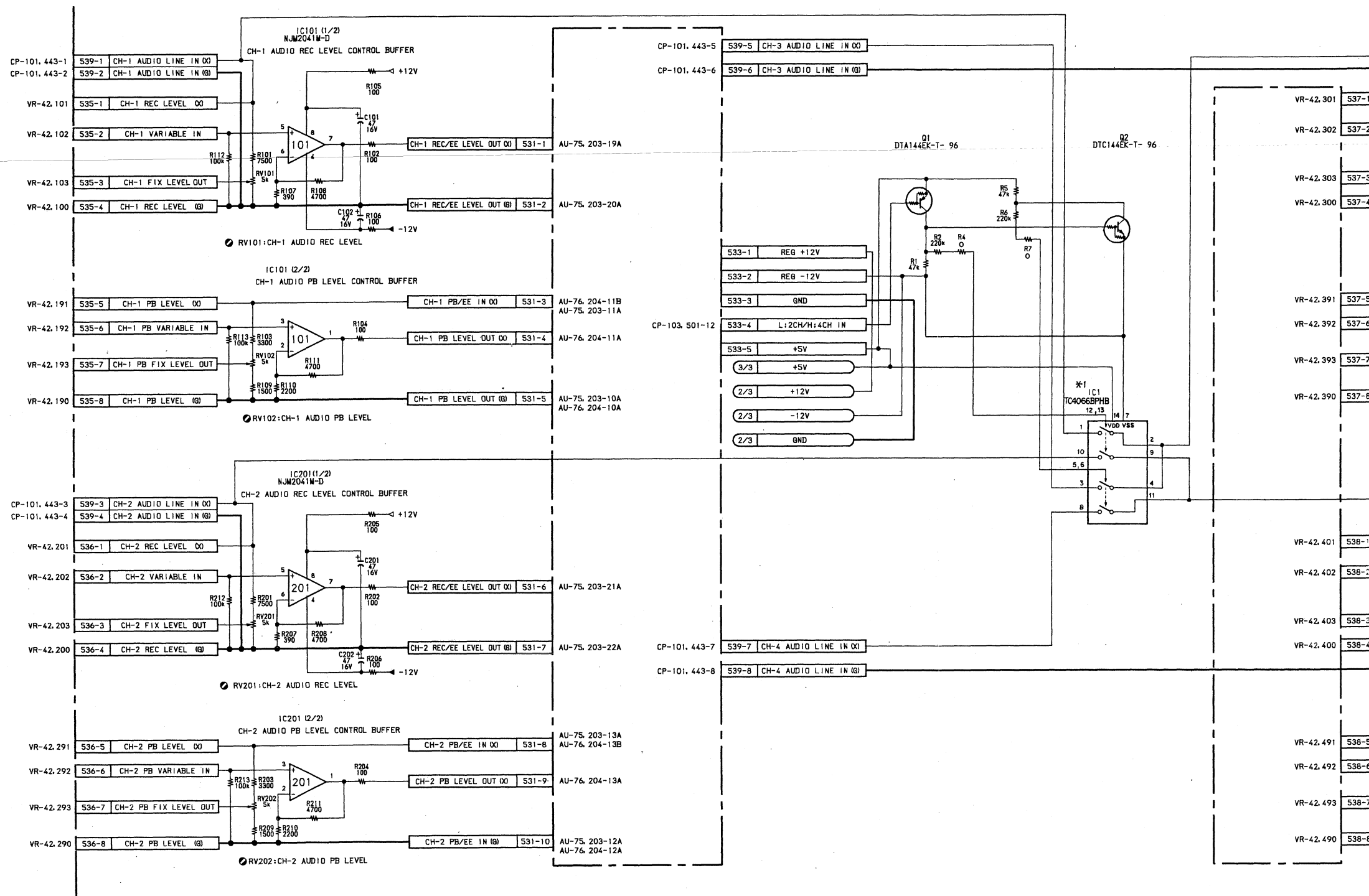
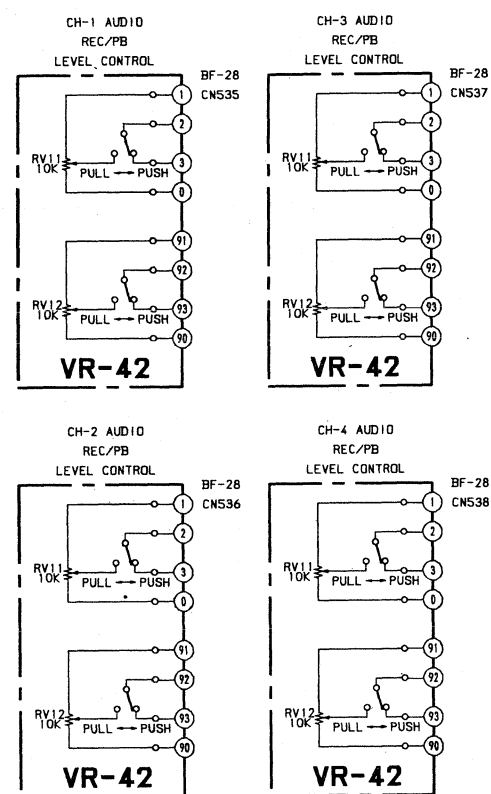
1-622-574-13
BVW-70
BVW-75
BVW-96

BF-28 (1/3); AUDIO REC/PB LEVEL CONTROL
VR-42; AUDIO REC/PB VOLUME

UC; S/N 14822 and higher
J; S/N 12029 and higher

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC1 TC4016BP → TC4066BPHB	UC; S/N 16275 ~ J; S/N 12689 ~



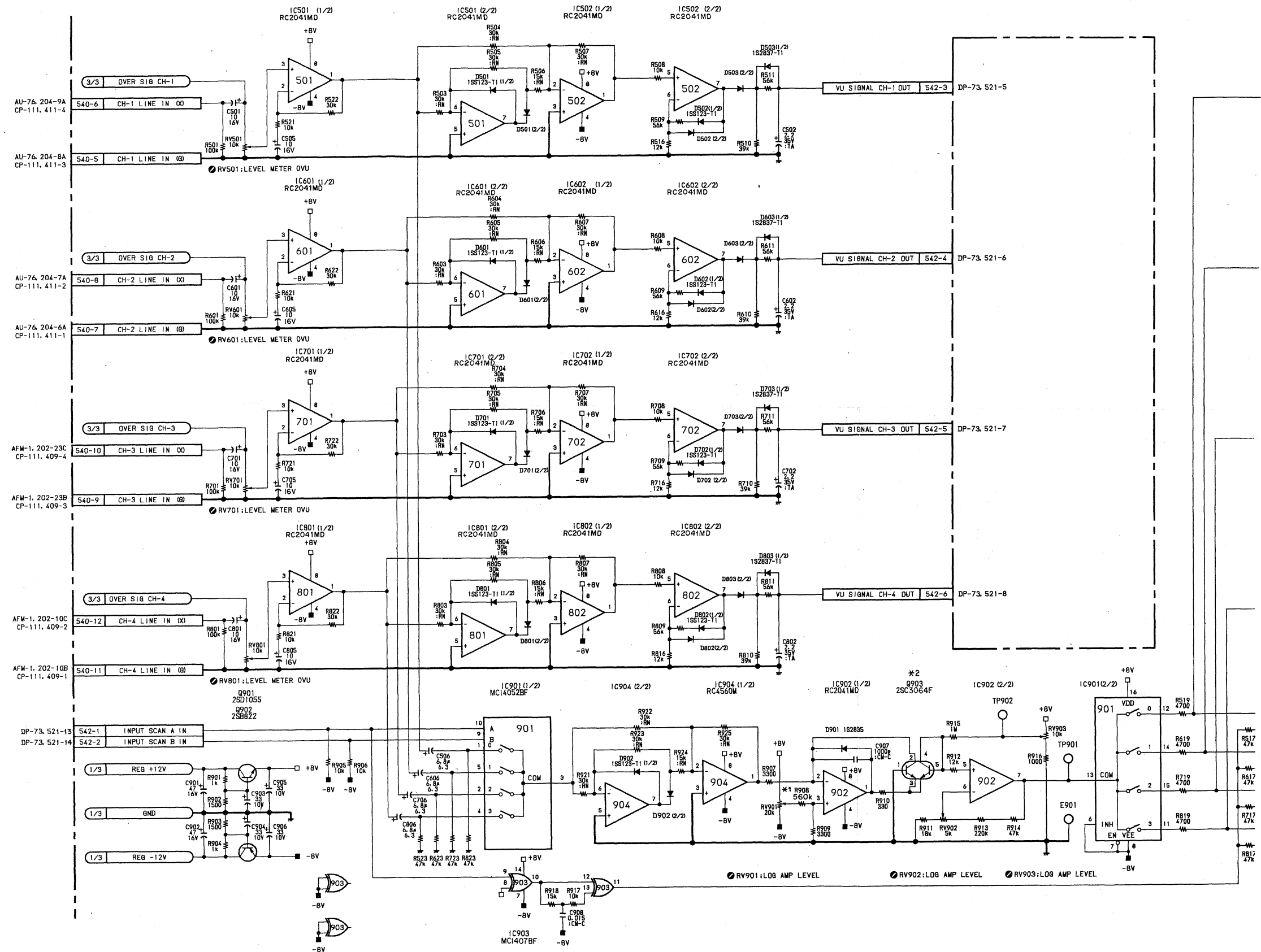
16-206 (b)

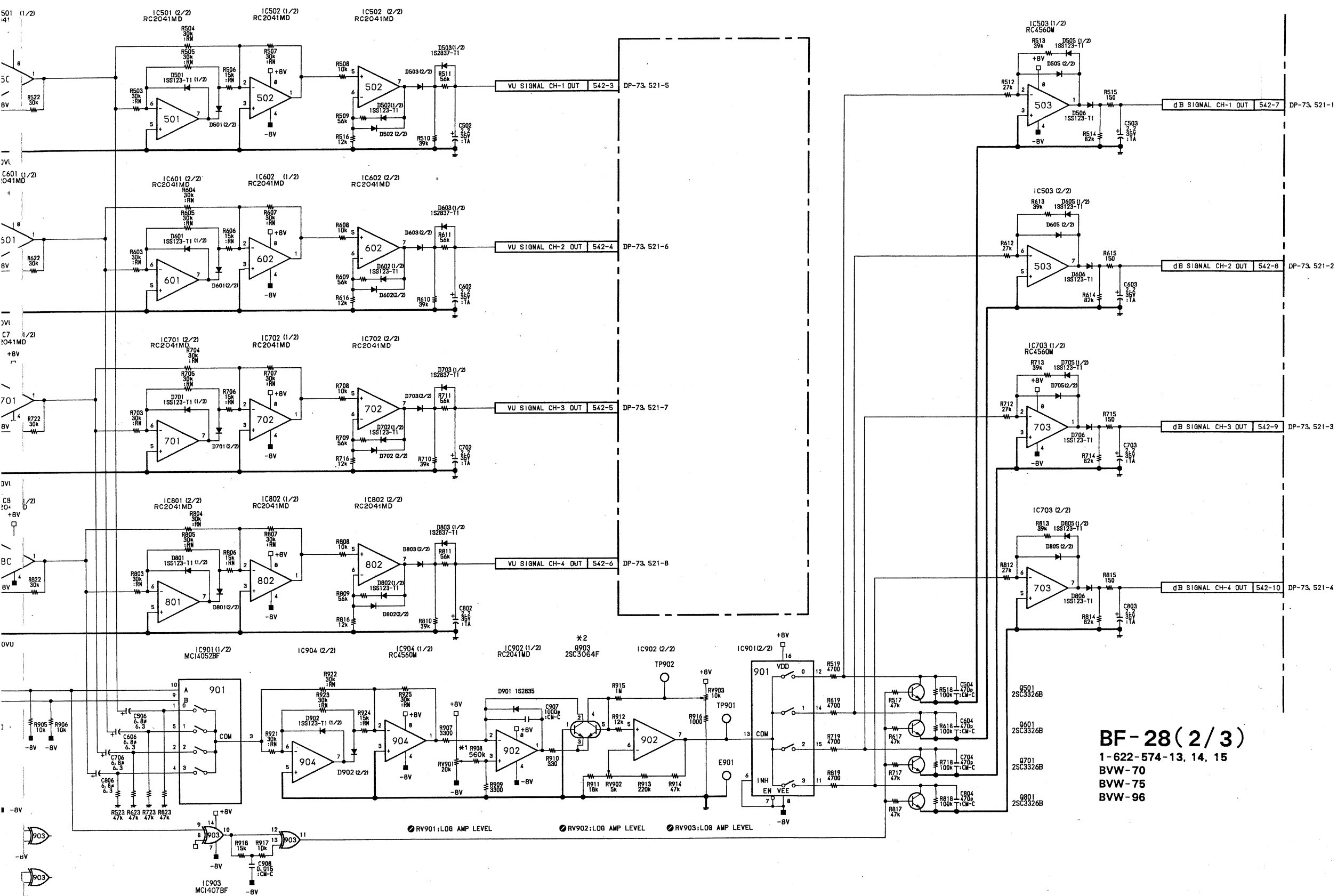
16-207 (b)

BF-28 (2/3) ; AUDIO LEVEL VU/dB DETECTOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R908 1M → 560k	UC; S/N 15472 ~ J; S/N 12239 ~
*2	2SC2259-G → 2SC3064F	UC; S/N 16544 ~ J; S/N 12874 ~





BF-28 (2/3)

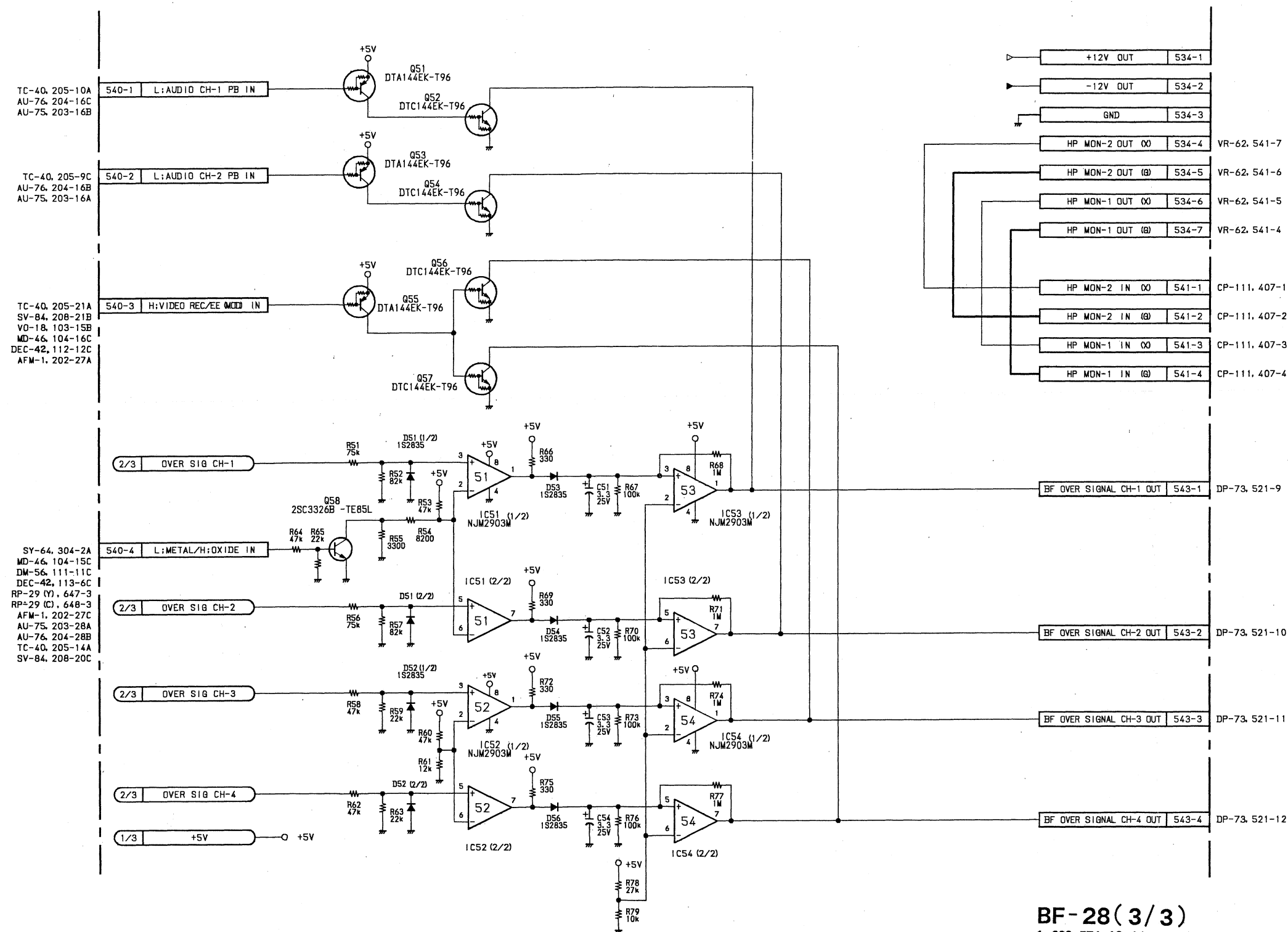
1-622-574-13, 14, 15

BVW-70

BVW-75

BVW-96

BF-28 (3/3) ; AUDIO LEVEL OVER DETECTOR



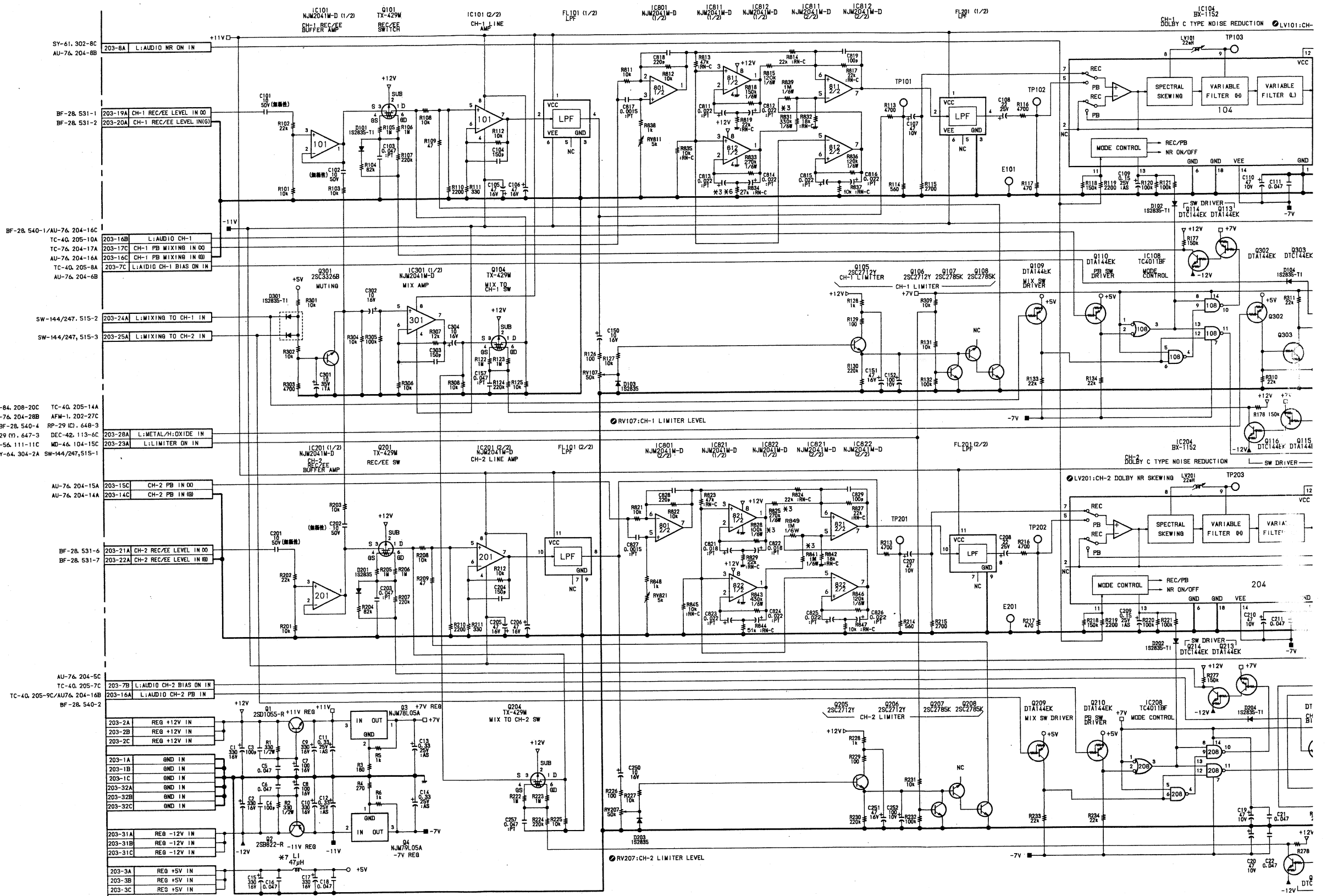
BF-28(3/3)

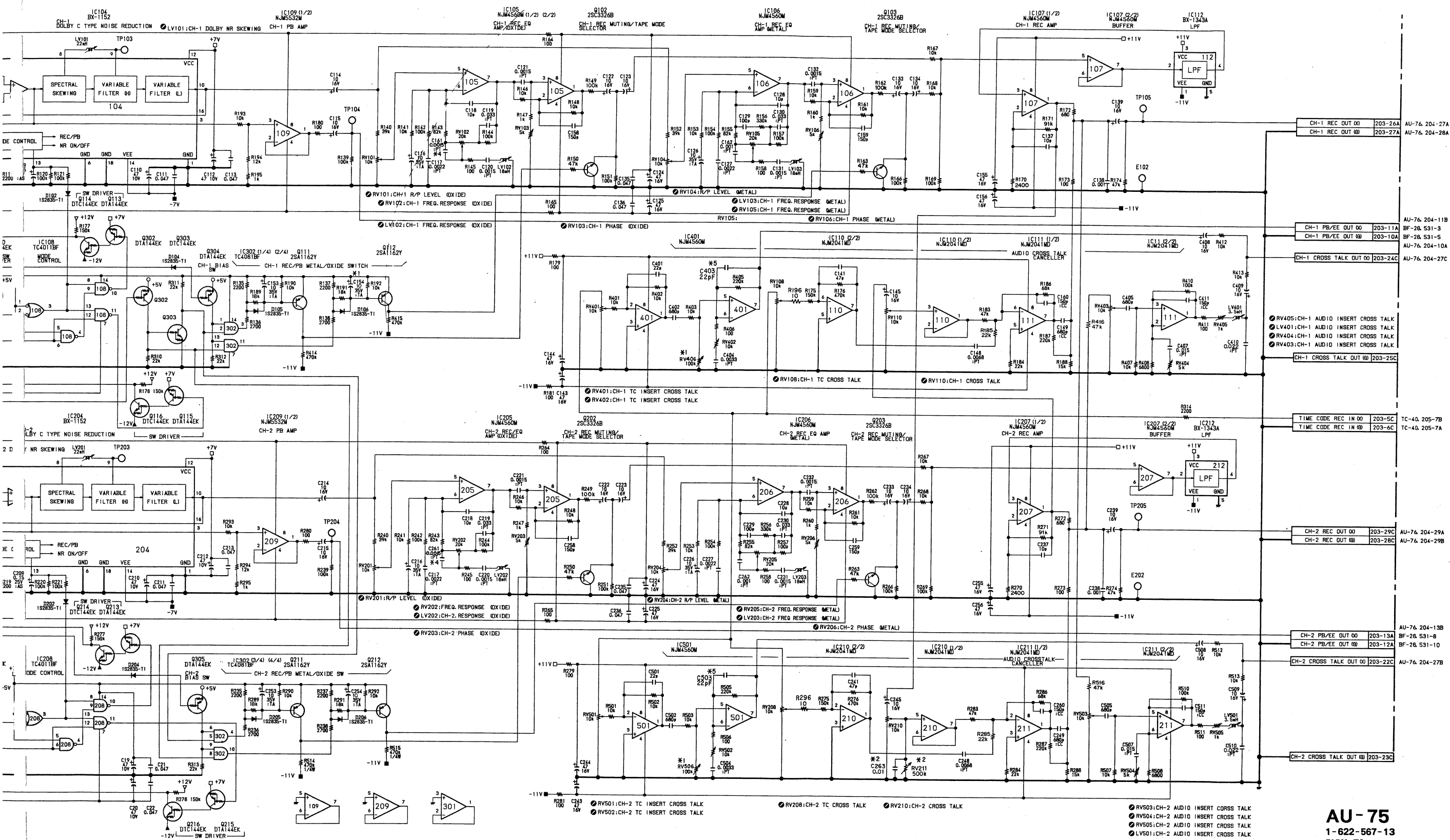
1-622-574-13, 14, 15
 BVW-70
 BVW-75
 BVW-96

AU-75; LNG AUDIO REC/PB AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R404 100k → RV406 100k R504 100k → RV506 100k	UC: S/N 13226 ~ J: S/N 11304 ~
*2	C263 0.01 ADDED RV211 500k ADDED	UC: S/N 14548 ~ J: S/N 11819 ~
*3	CHANGED R825 220k → 270k R828 180k → 100k R831 160k → 330k R834 47k → 39k R841 910k → 1M	UC: S/N 15127 ~ J: S/N 12189 ~
*4	C161 0.0033 → 0.0015 C261 0.0033 → 0.0015	UC: S/N 15800 ~ J: S/N 12469 ~
*5	ADDED C403, C503	UC: S/N 15737 ~ J: S/N 12419 ~
*6	R834 39k → 27k	UC: S/N 16143 ~ J: S/N 12689 ~
*7	L1 45μH → 47μH	UC: S/N 17065 ~ J: S/N 13244 ~



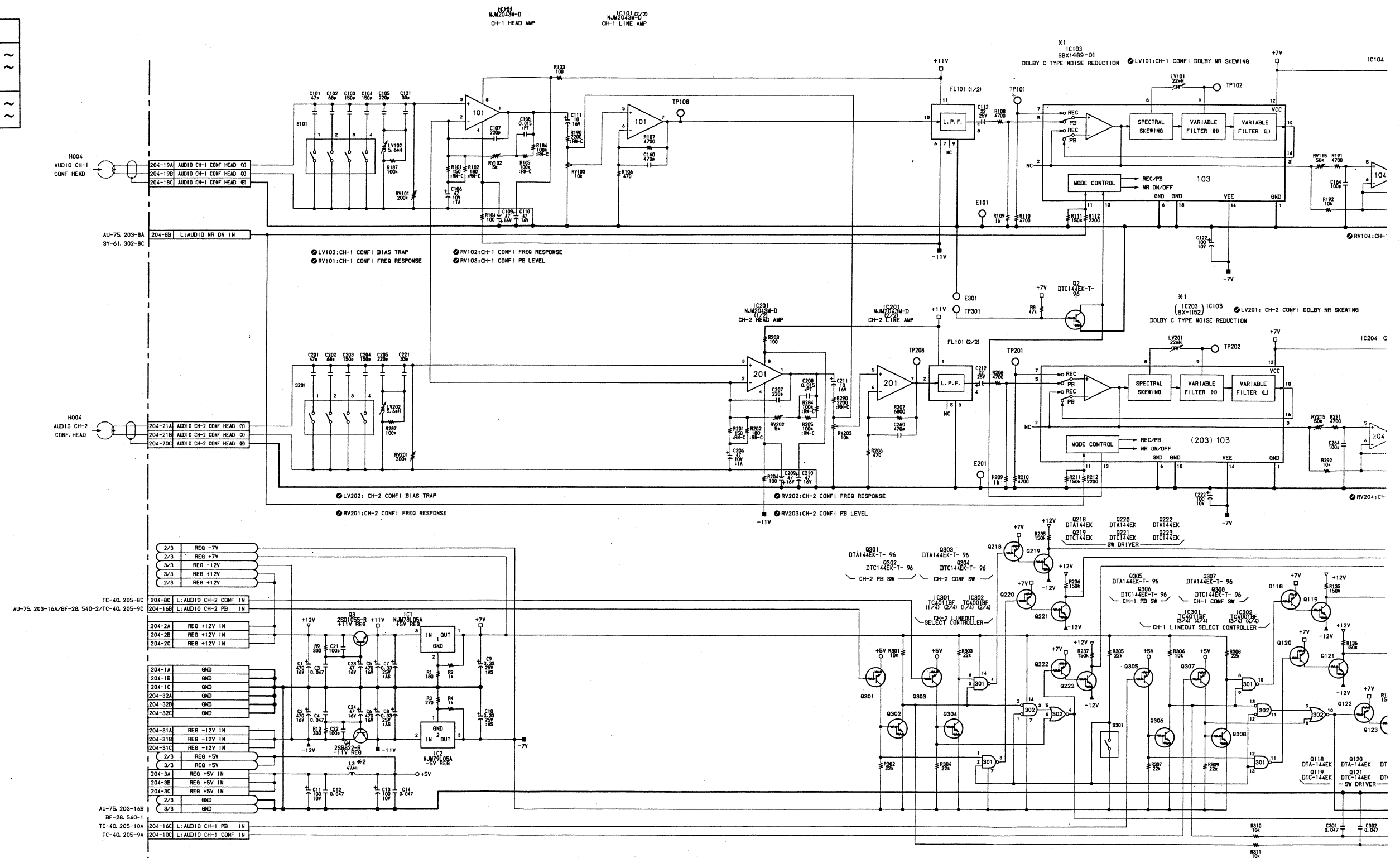


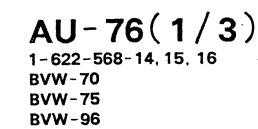
AU-75
1-622-567-13
BVW-70
BVW-75
BVW-96

AU-76 (1/3); LNG AUDIO CONF1 PB AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC103 BX1152 IC203 BX1152 → IC103 SBX1489-01	UC: S/N 14822 ~ J: S/N 12029 ~
*2	L3 45μH → 47μH	UC: S/N 17118 ~ J: S/N 13389 ~

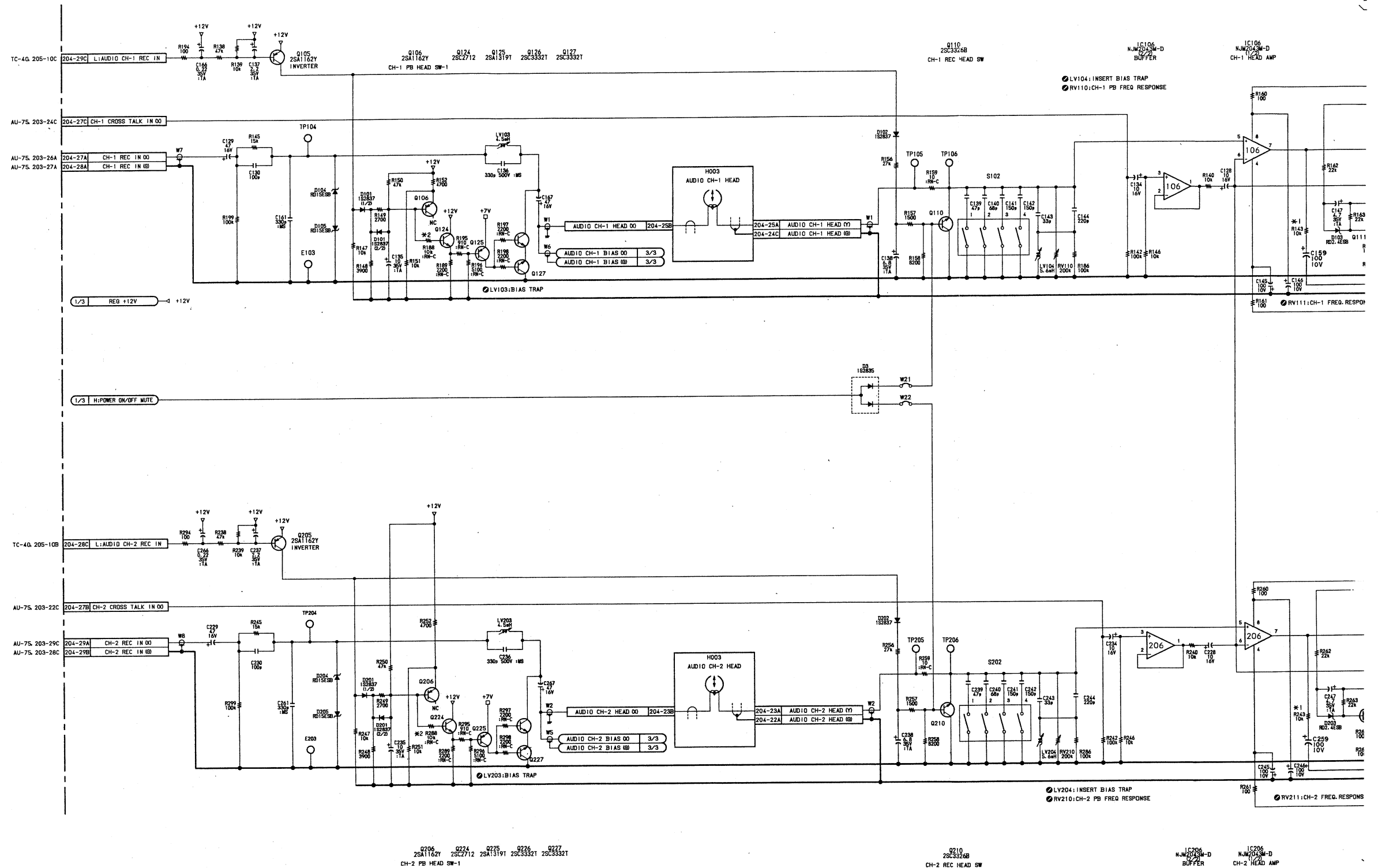




AU-76 (2/3); LNG AUDIO HEAD AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED R143, R144, R243, R244	UC: S/N 13782 ~ J: S/N 11570 ~
*2	R188 22k → 10k R288 22k → 10k	UC: S/N 13661 ~ J: S/N 11499 ~
*3	DELETED C17, C18	UC: S/N 16544 ~ J: S/N 12874 ~



16-236

16-237

A

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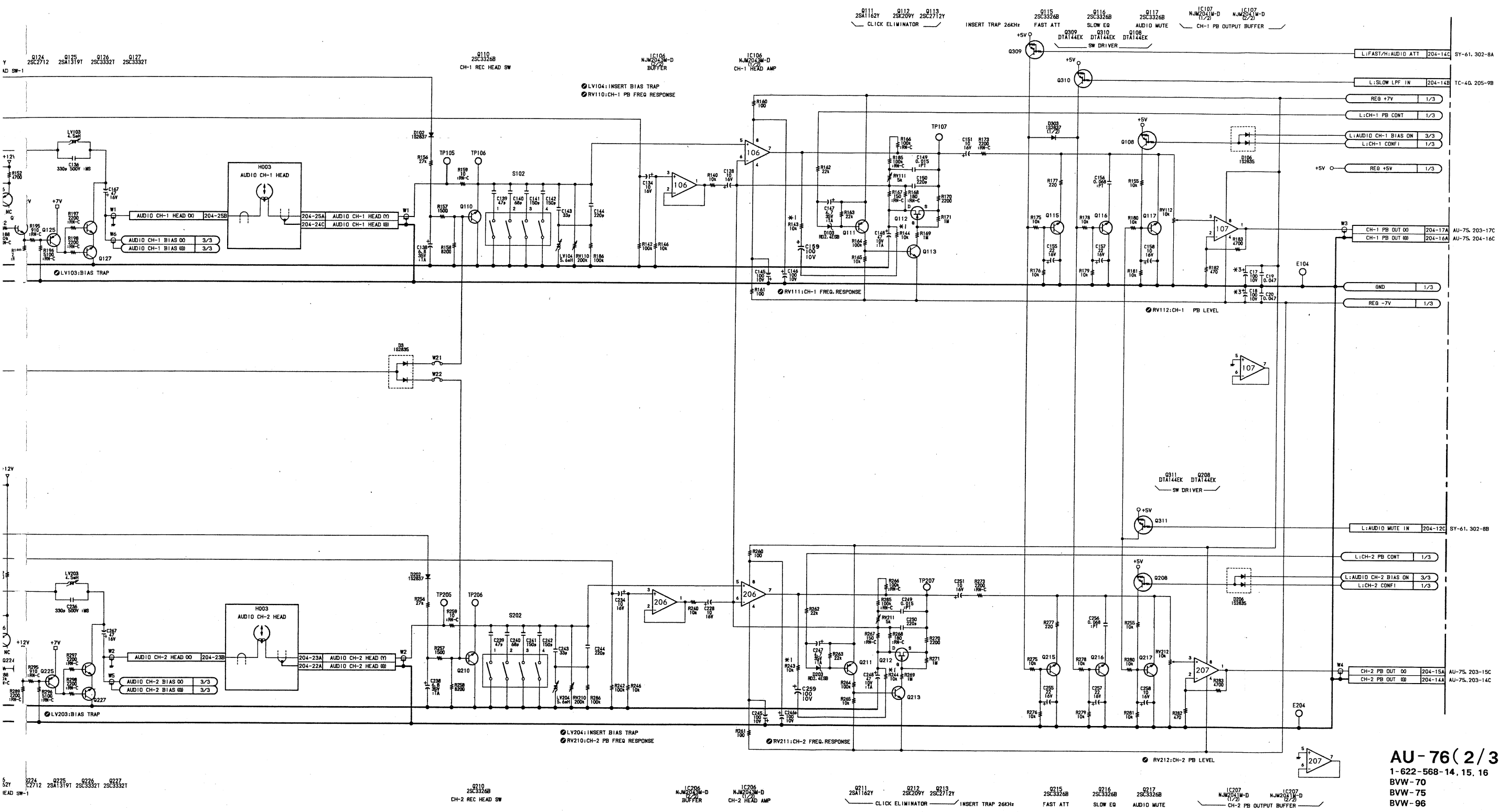
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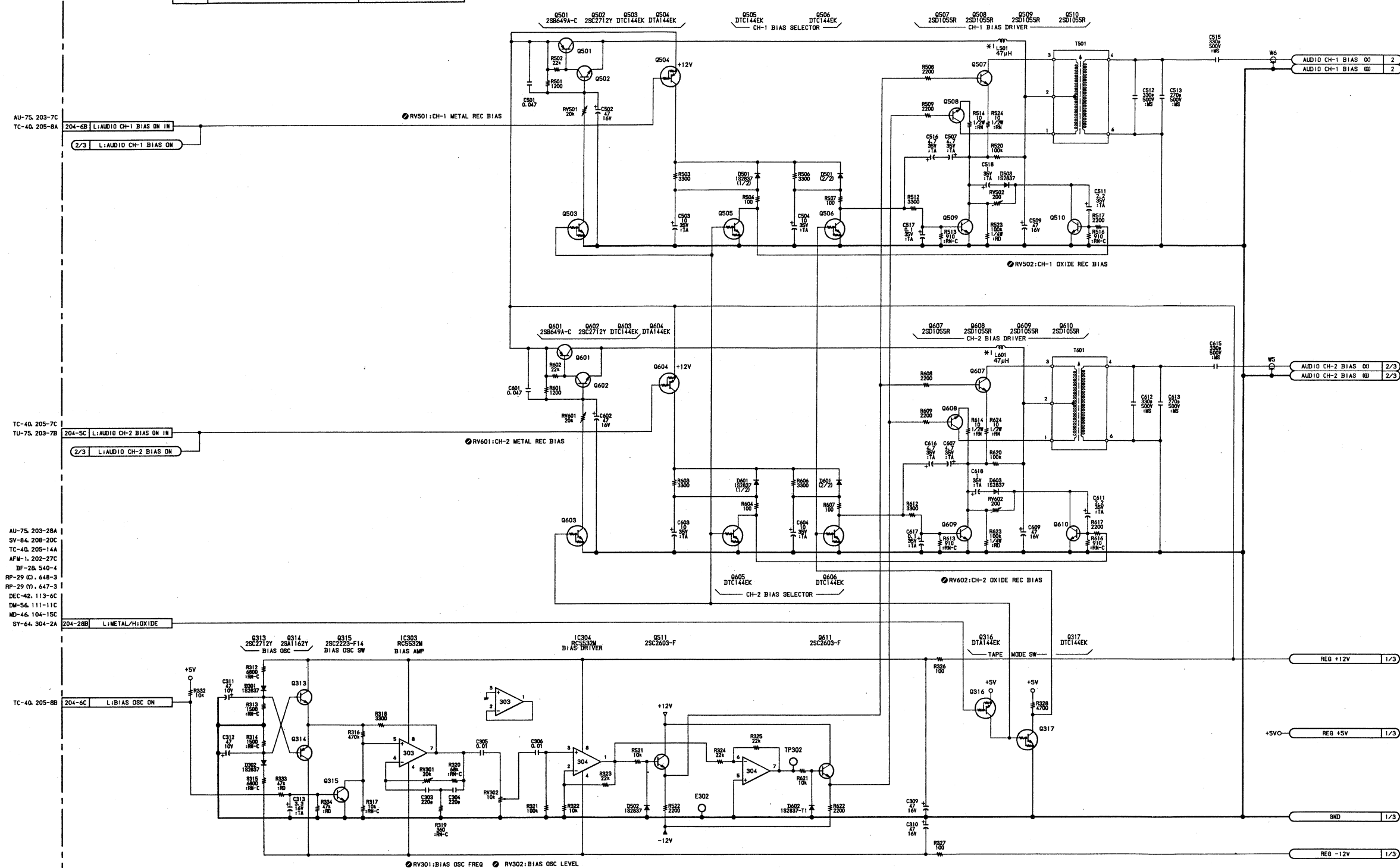


AU-76 (2/3)
 1-622-568-14, 15, 16
 BVW-70
 BVW-75
 BVW-96

AU-76 (3/3) ; LNG AUDIO BIAS OSCILLATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	L501, L601 45 μ H \rightarrow 47 μ H	UC: S/N 17118 ~ J: S/N 13389 ~



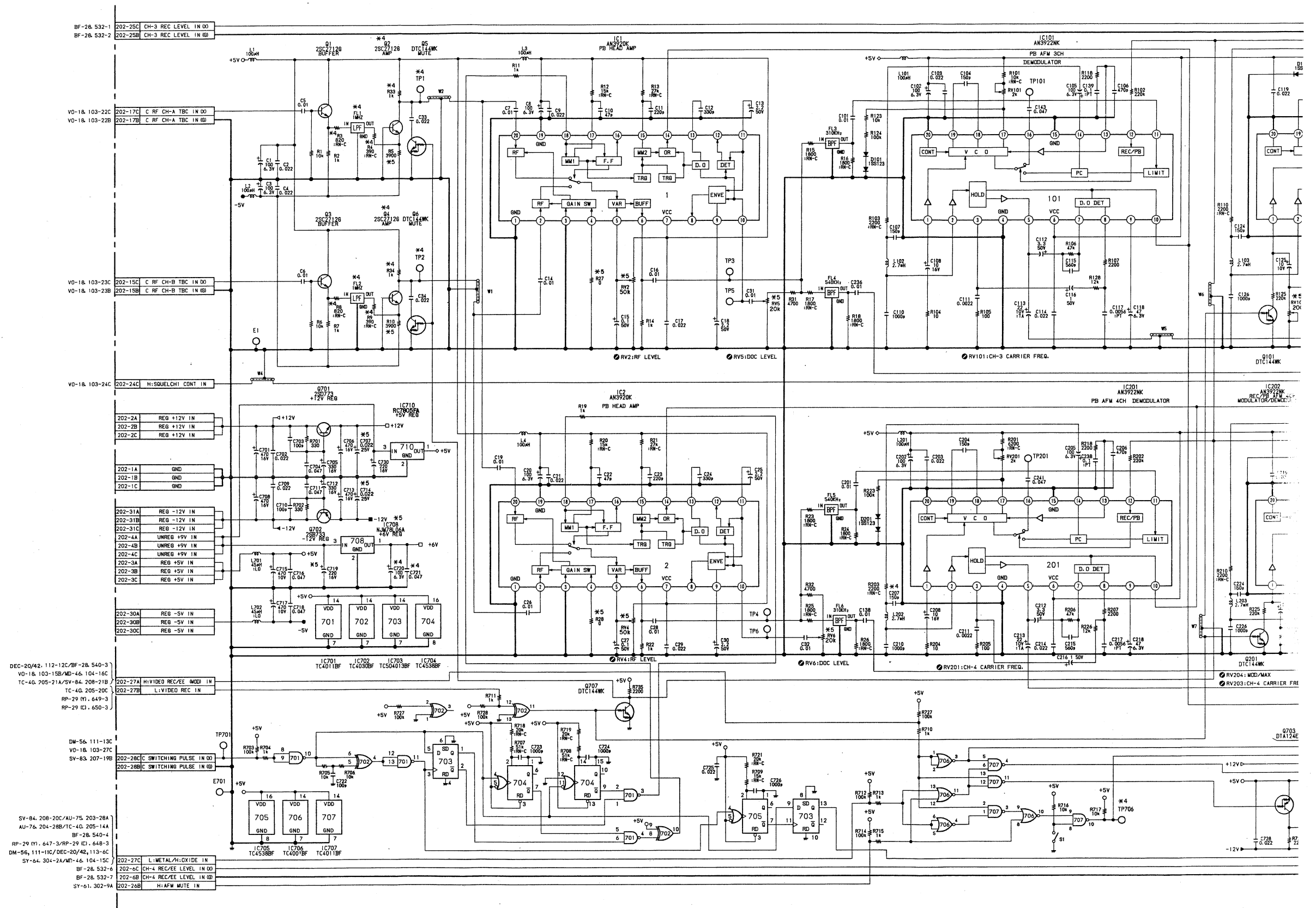
AU-76(3/3)

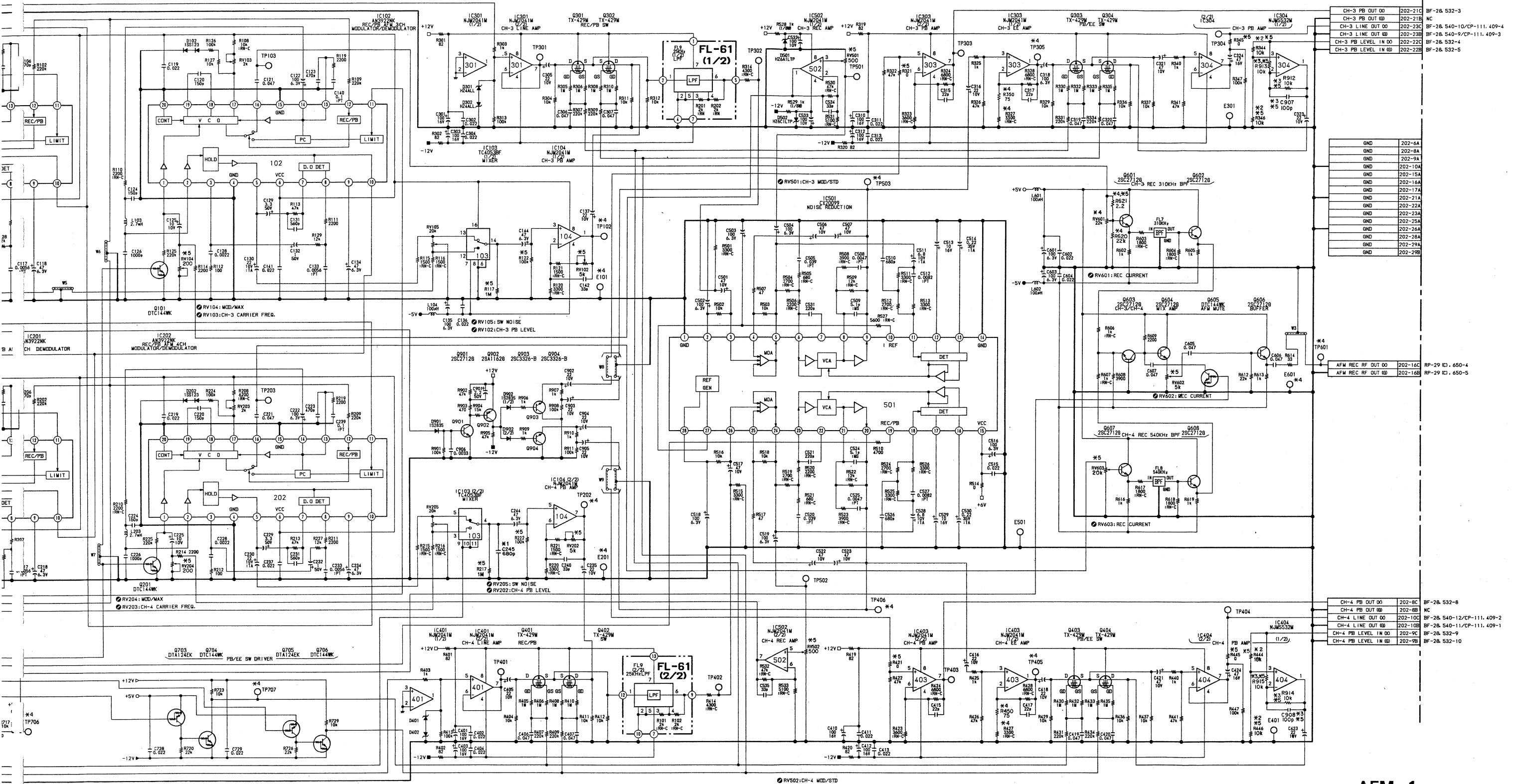
1-622-568-14, 15, 16
BVW-70
BVW-75
BVW-96

AFM-1 ; AUDIO FREQUENCY MODULATOR/DEMODULATOR
FL-61 ; LOW-PASS FILTER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C245 680pF ADDED	UC; S/N 13411 ~ J; S/N 11404 ~
*2	DELETED R344, R444 CHANGE R346 100k → 0 R446 100k → 0	UC; S/N 14369 ~ J; S/N 11669 ~
*3	ADDED C907, C908, R912 R913, R914, R915	UC; S/N 14448 ~ J; S/N 11719 ~
*4	DELETED C720, C721, FL1, FL2 Q2, Q4, R4, R9, R33 R34, RV601, E101 E201, B601, TP1, TP2 TP102, TP202, TP305 TP405, TP406, TP503 TP601, TP706, TP707 CHANGE C207 100pF → 150pF R3 390 → 820 R8 390 → 820 R327 2200 → 3300 R427 2200 → 3300 R620 22k ADDED R621 2.2 ADDED RV304 10k → R350 75 RV404 10k → R450 75	UC; S/N 14657 ~ J; S/N 11949 ~
*5	DELETED C719, C907, C908 IC708, R5, R10, R27 R28, R122, R222, R321 R345, R421, R445 R621, R912, R913 R914, R915 CHANGED C707 0.33/50V → 0.022/25V C714 0.33/50V → 0.022/25V R117 100k → 1M R217 100k → 1M R344 1k → 10k R346 0 → 10k R444 1k → 10k R446 0 → 10k RV2 47k → 50k RV4 47k → 50k RV5 22k → 20k RV6 22k → 20k RV102 4700 → 5k RV104 220 → 200 RV202 4700 → 5k RV204 220 → 200 RV501 1k → 500 RV502 1k → 500 RV602 4700 → 5k RV603 22k → 20k	UC; S/N 14932 ~ J; S/N 12119 ~

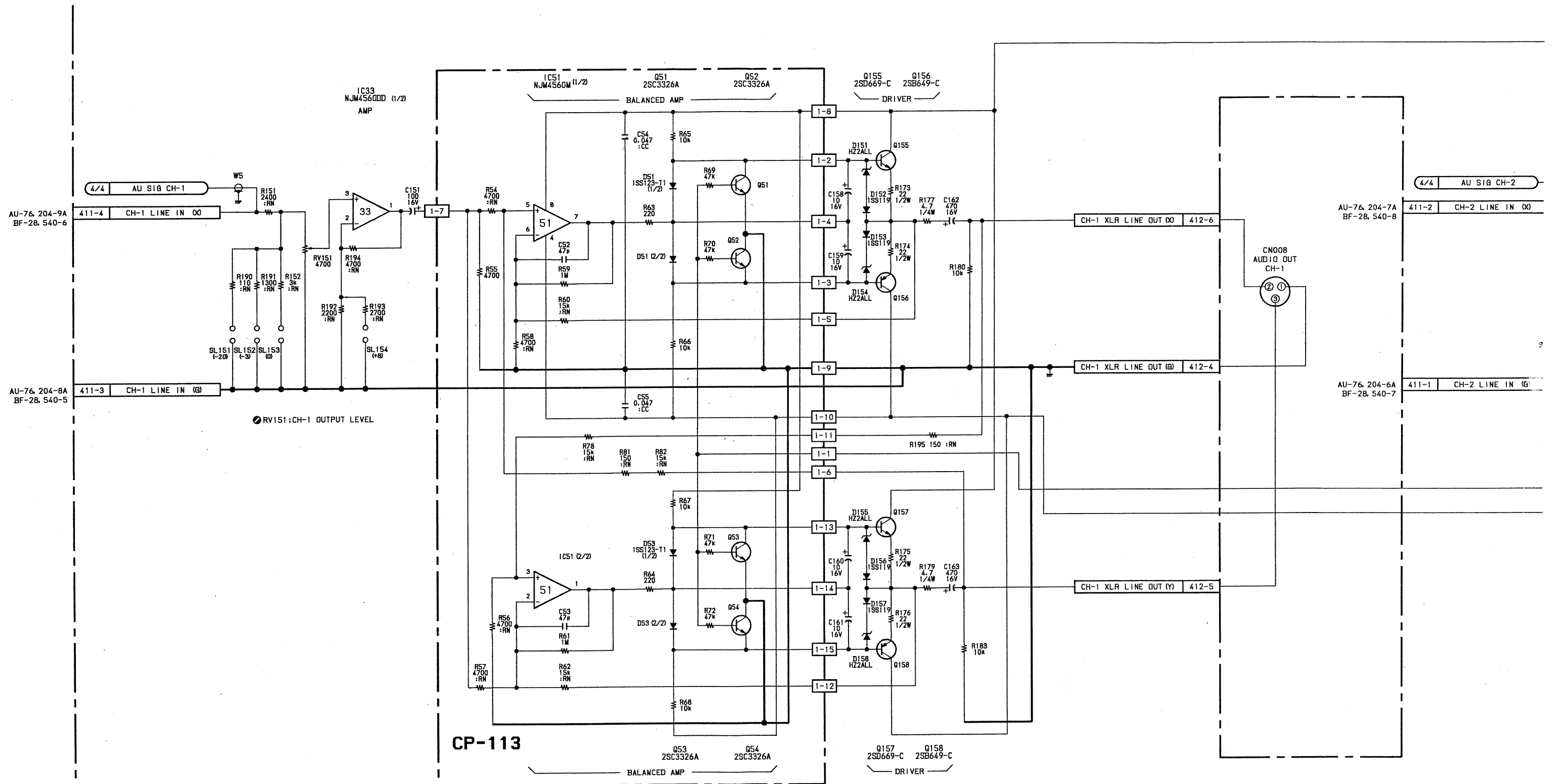




AFM-1
1-622-569-12,13
BVW-70
BVW-75
BVW-96

CP-111 (1/4); AUDIO OUTPUT AMPLIFIER/DRIVER
CP-113; AUDIO BALANCED AMPLIFIER

UC; Up to S/N 16569
J; Up to S/N 13023



16-255 (a)

16-256 (a)

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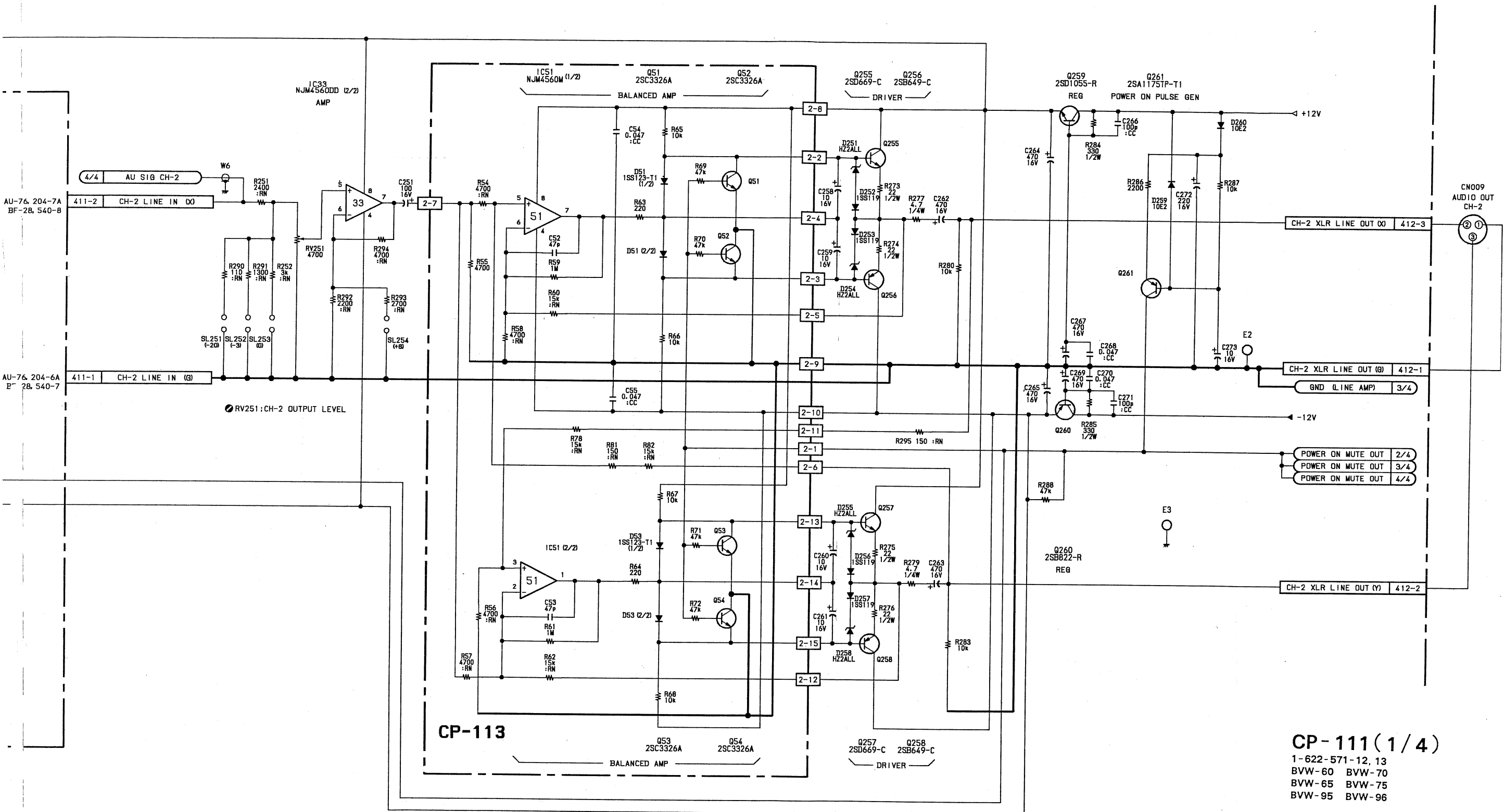
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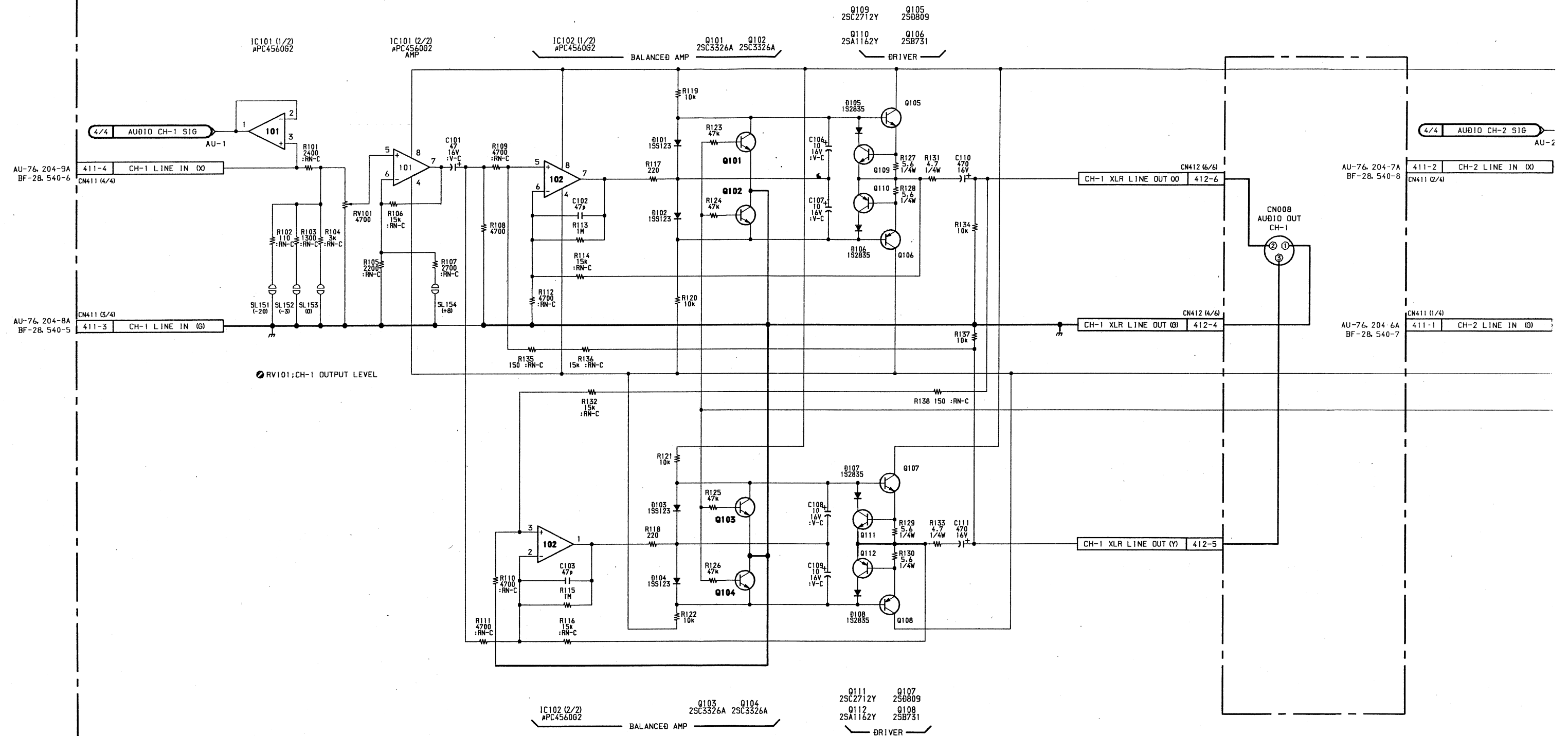
G

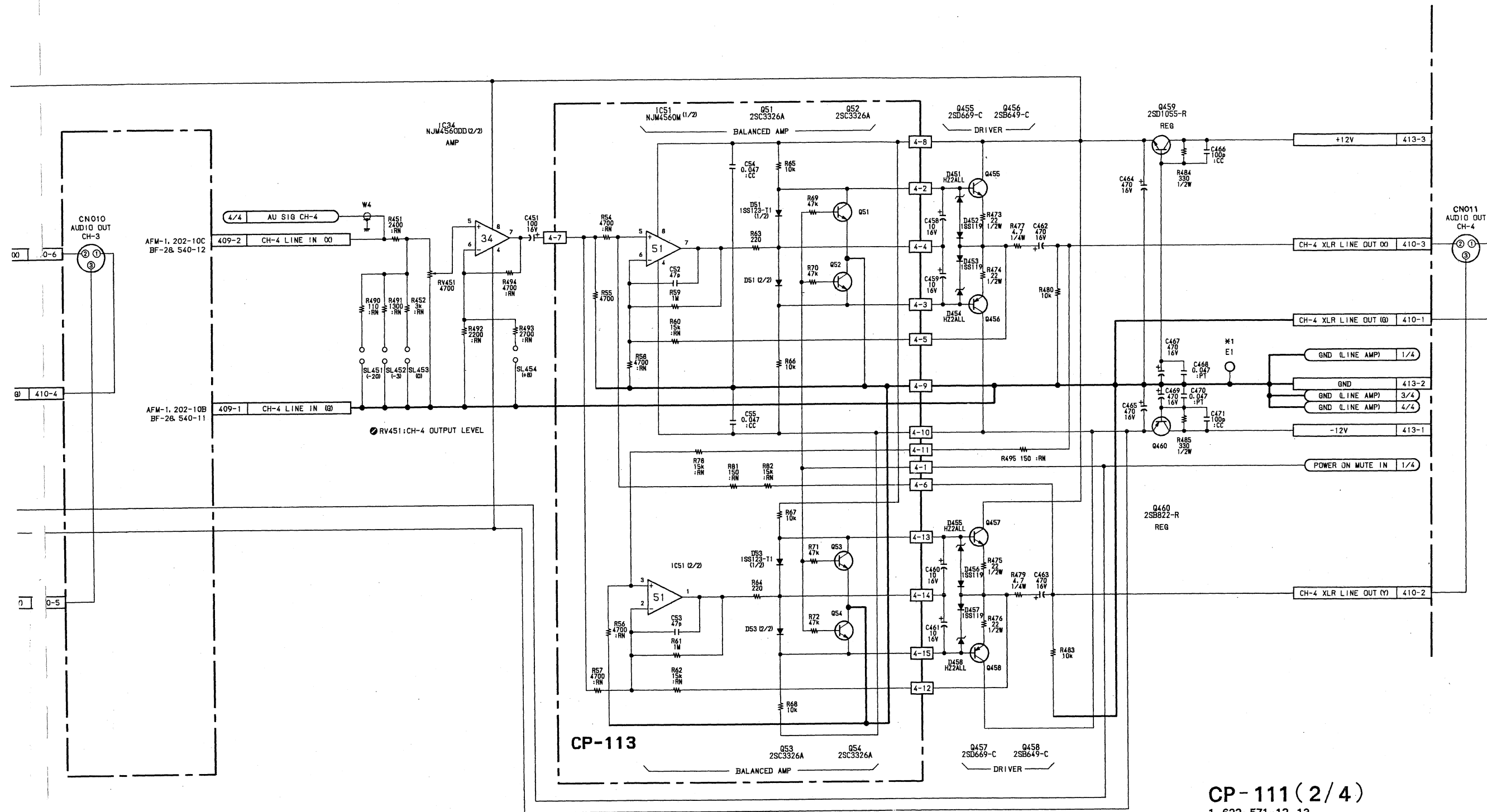
H



CP-161A (1/4); AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER

UC: S/N 16570 and higher
J: S/N 13024 and higher



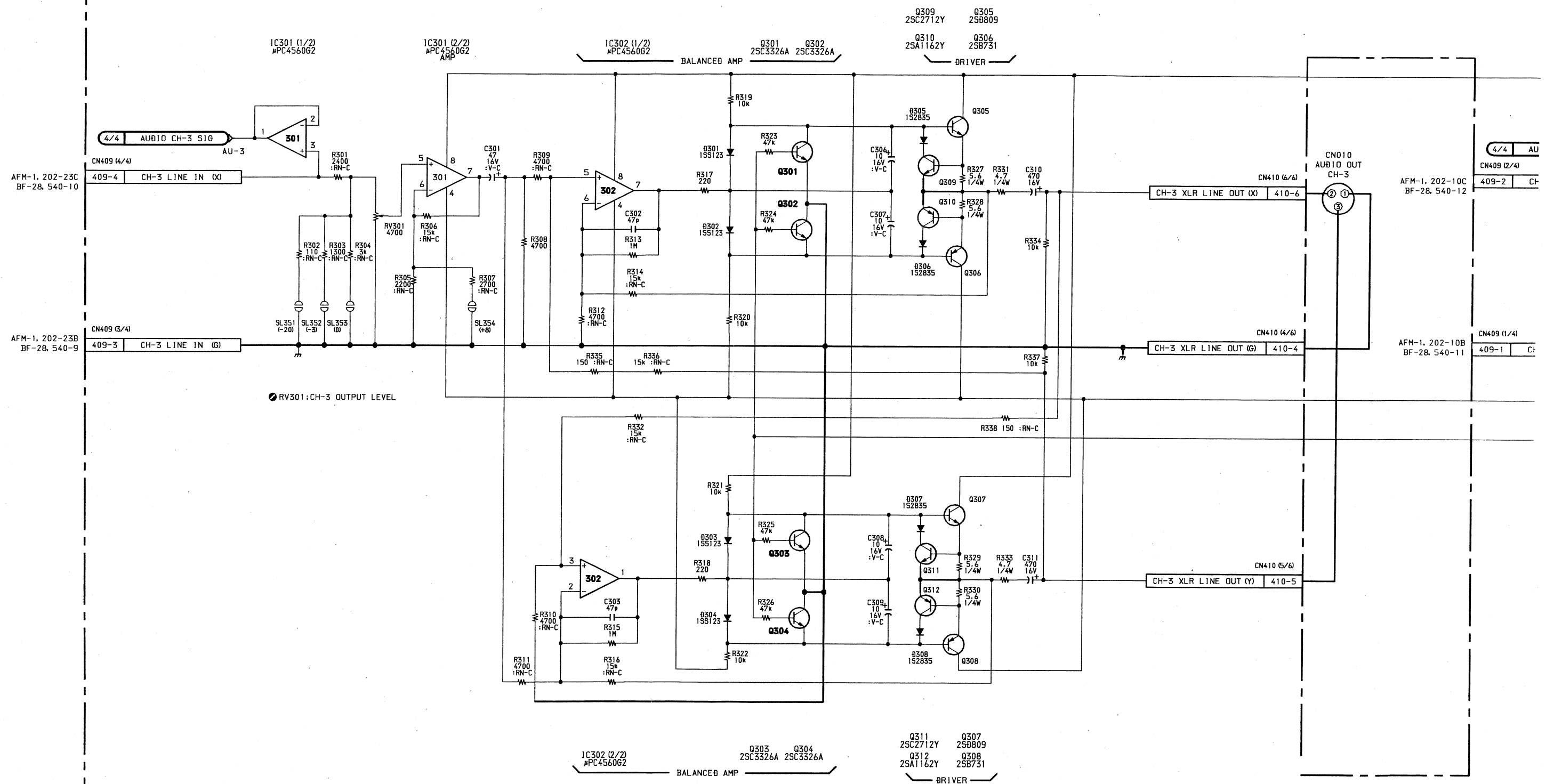


CP-111 (2/4)

1-622-571-12, 13
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

CP-161A (2/4); AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER

UC; S/N 16570 and higher
J; S/N 13024 and higher



16-263 (b)

16-264 (b)

A

B

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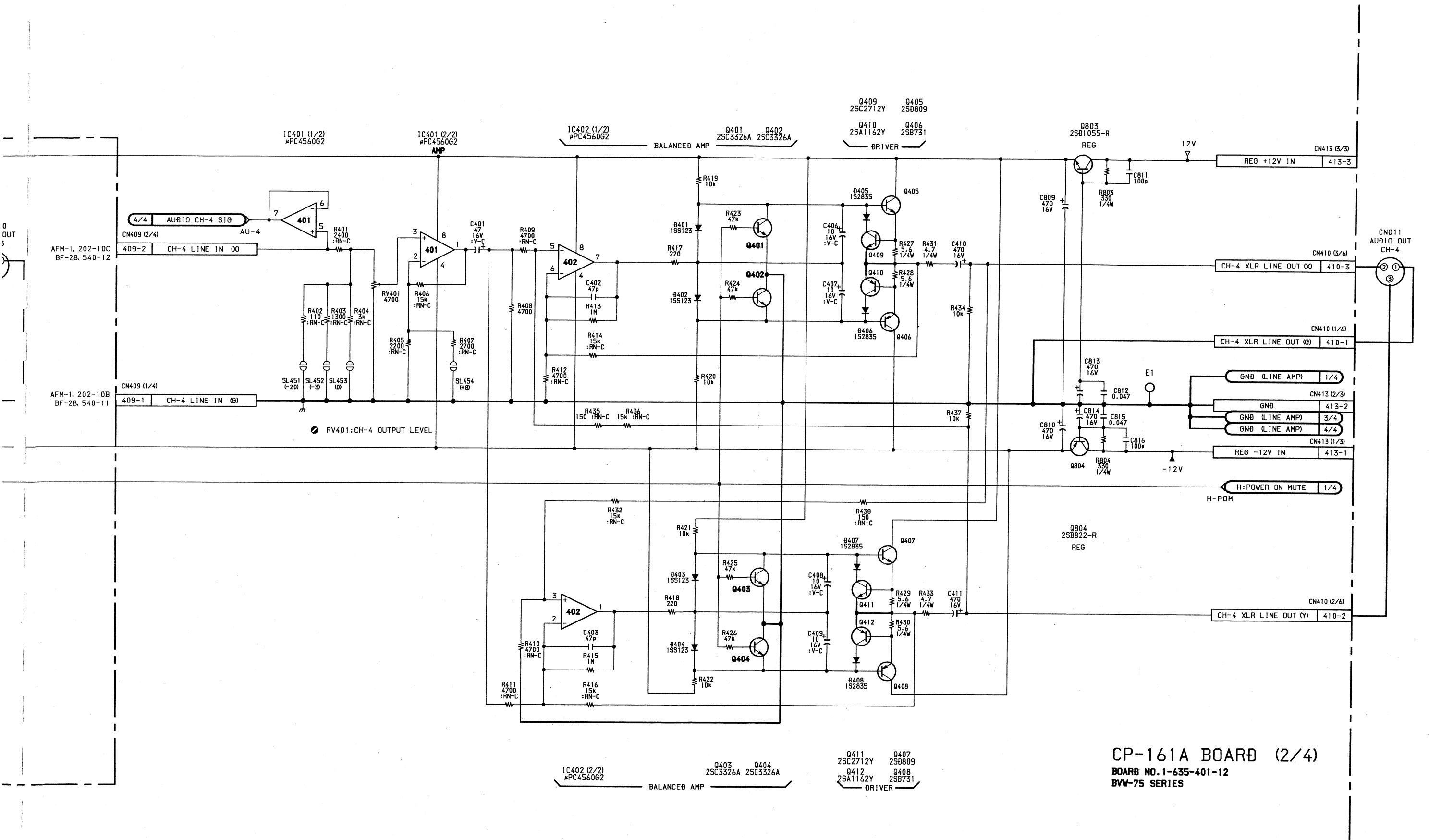
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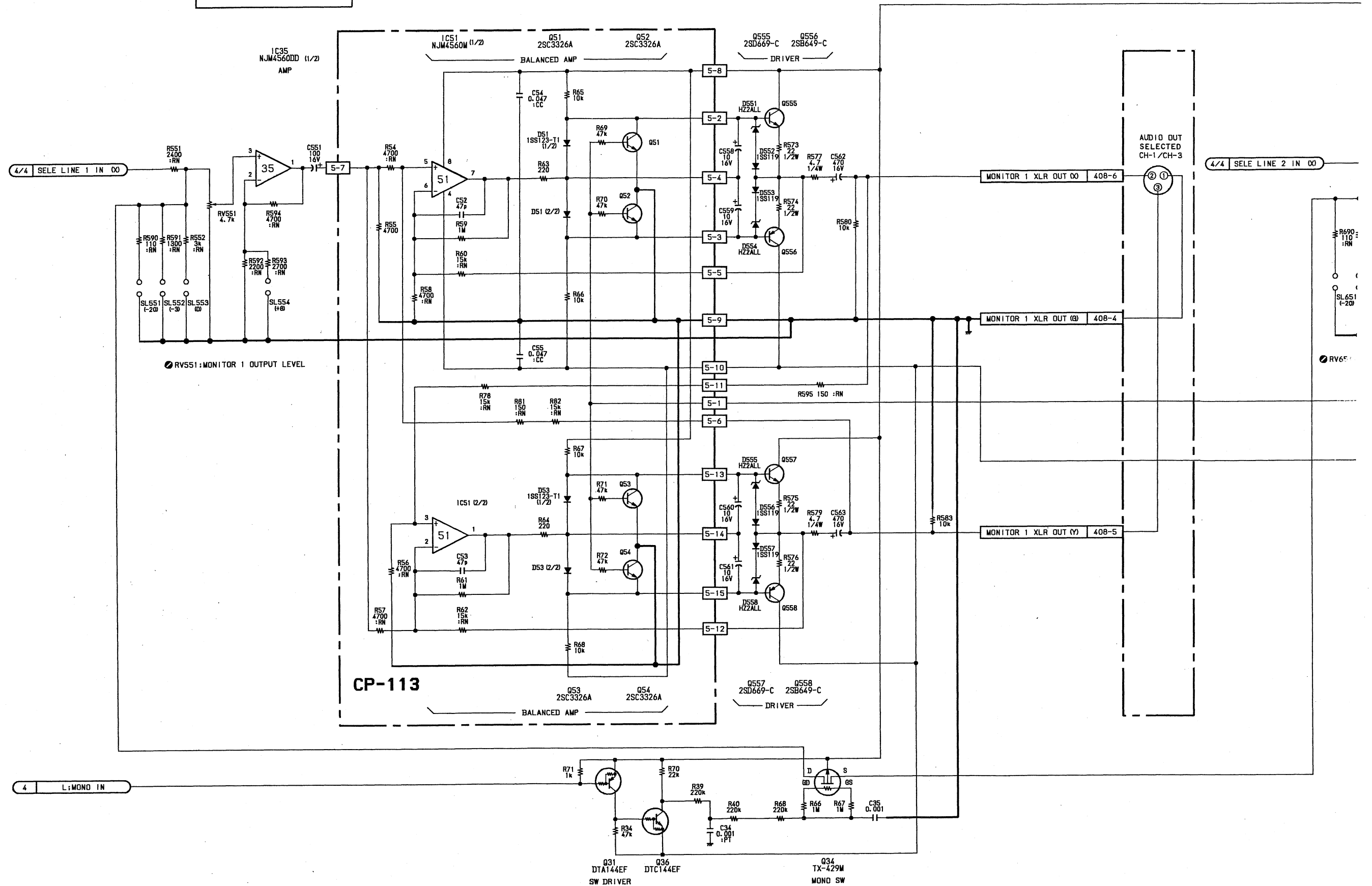


16-265 (b)

16-266 (b)

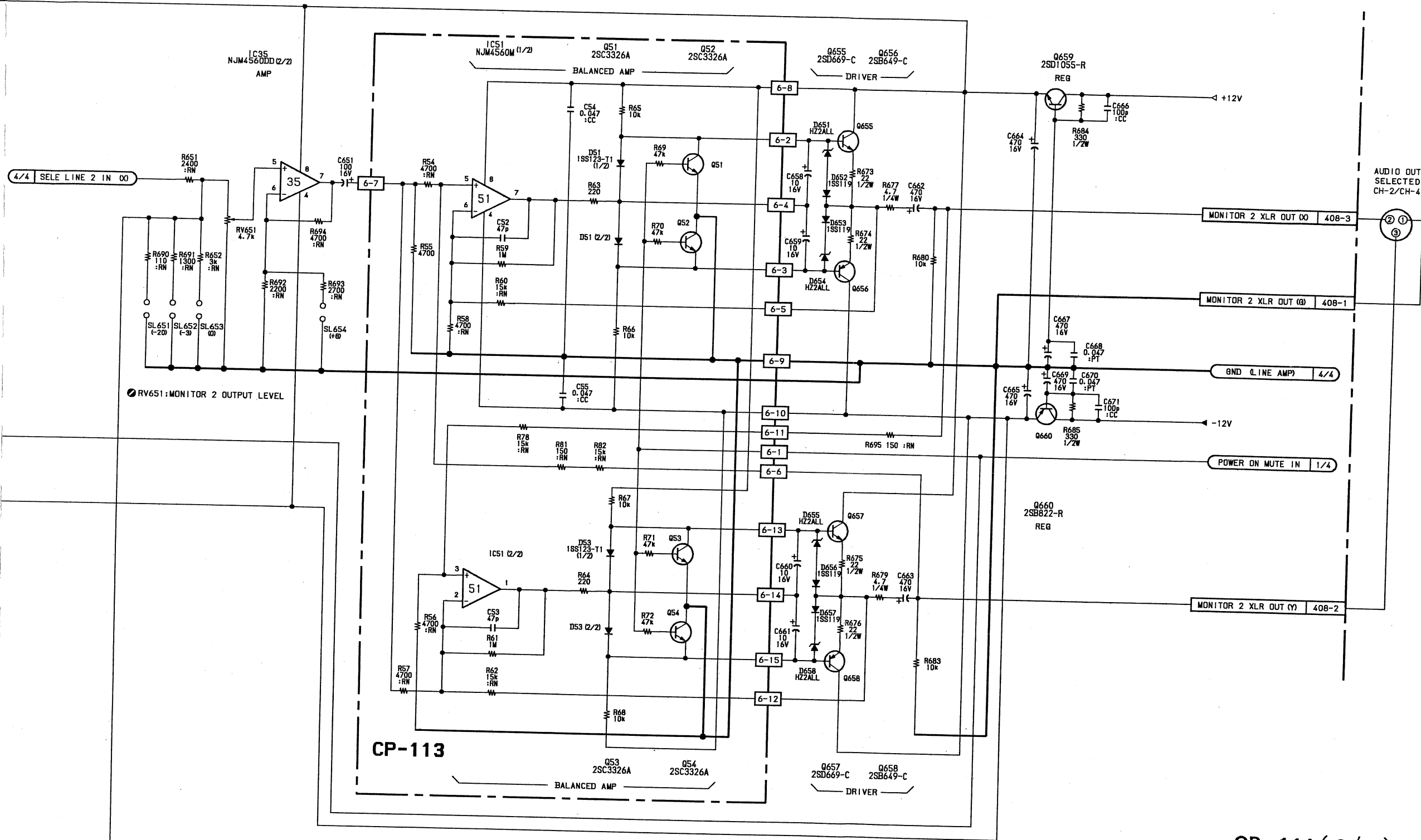
CP-111 (3/4); AUDIO OUTPUT AMPLIFIER/DRIVER
CP-113; AUDIO BALANCED AMPLIFIER

UC; Up to S/N 16569
J; Up to S/N 13023



16-271 (a)

16-272 (a)

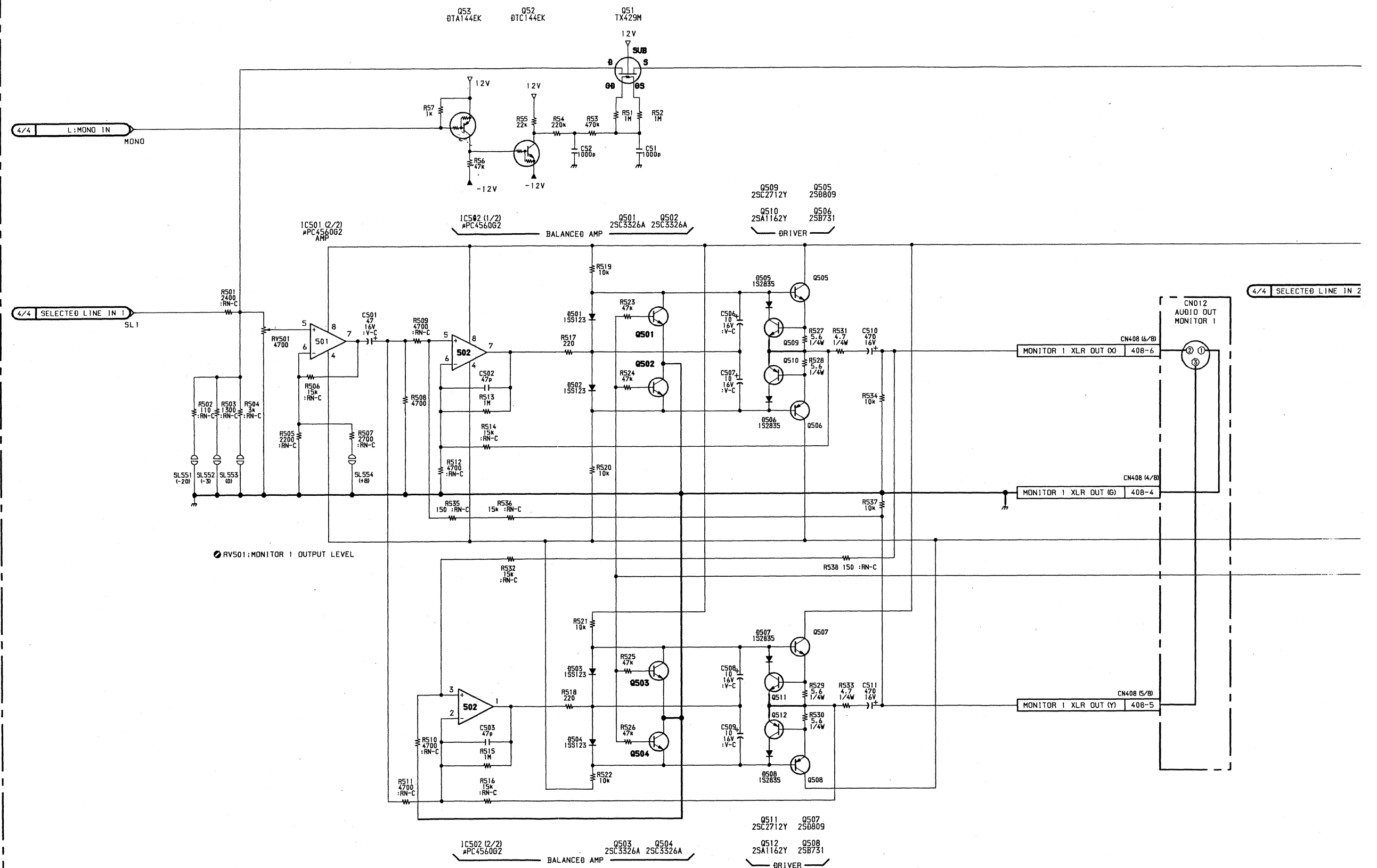


CP-111 (3/4)

1-622-571-12, 13
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

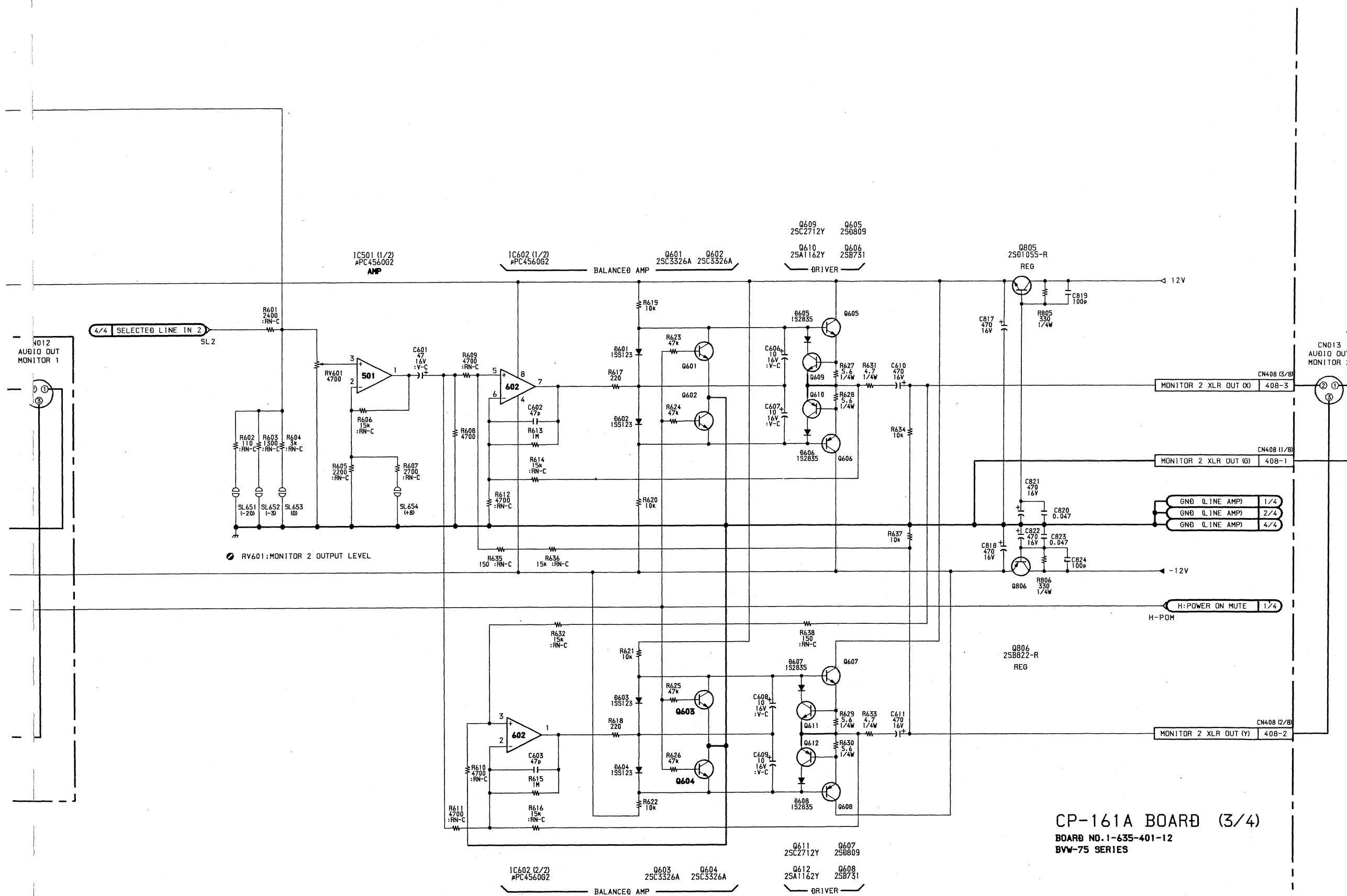
CP-161A (3/4); AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER

UC: S/N 16570 and higher
J: S/N 13024 and higher



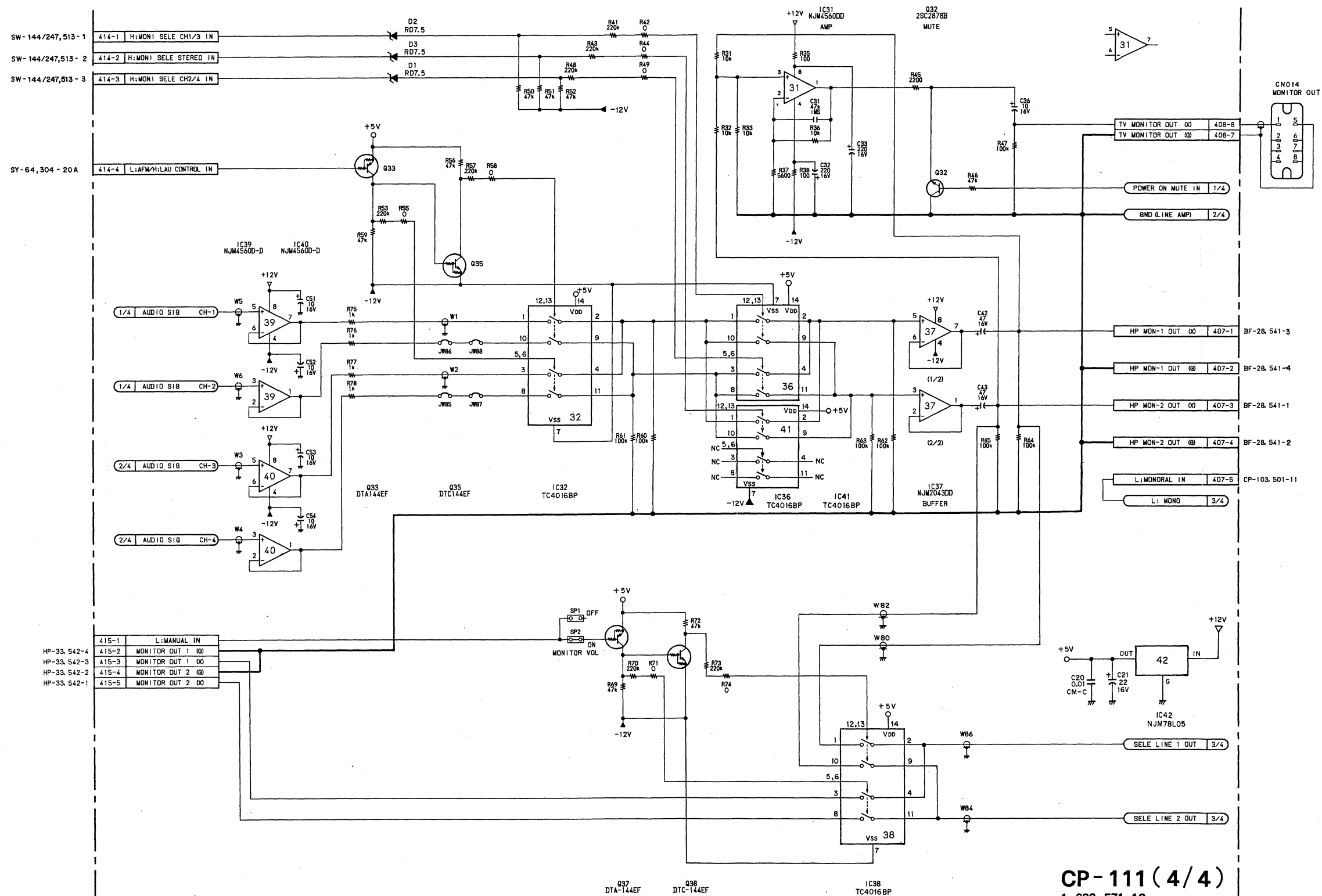
16-271 (b)

16-272 (b)



CP-111 (4/4); AUDIO MONITOR SELECT/OUTPUT
 HP-33; HEADPHONES AMPLIFIER/JACK
 VR-62; HEADPHONES LEVEL VOLUME

UC; Up to S/N 16569
 J; Up to S/N 13023

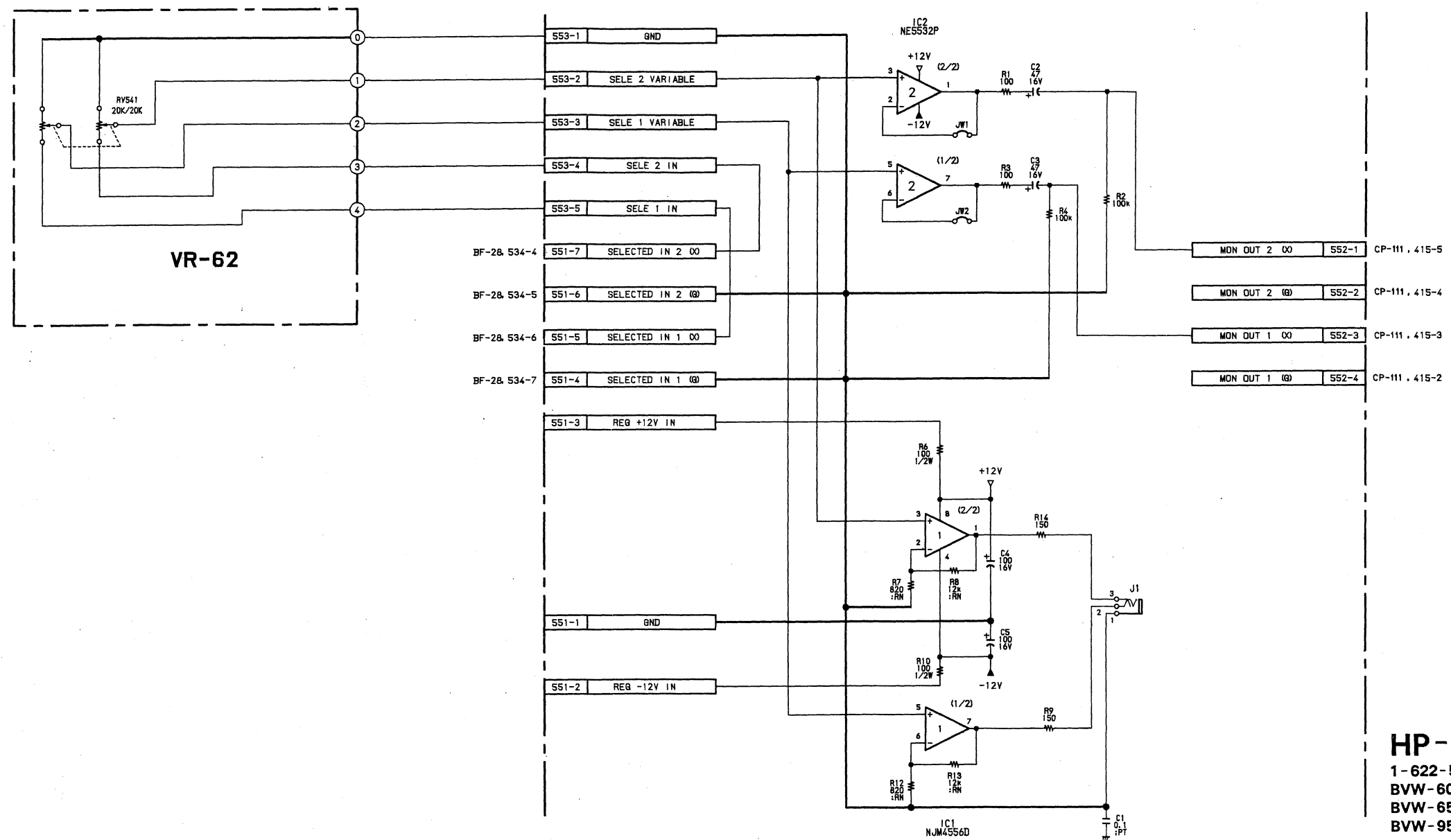


CP-111 (4/4)

1-622-571-13
 BVW-60 BVW-70
 BVW-65 BVW-75
 BVW-95 BVW-96

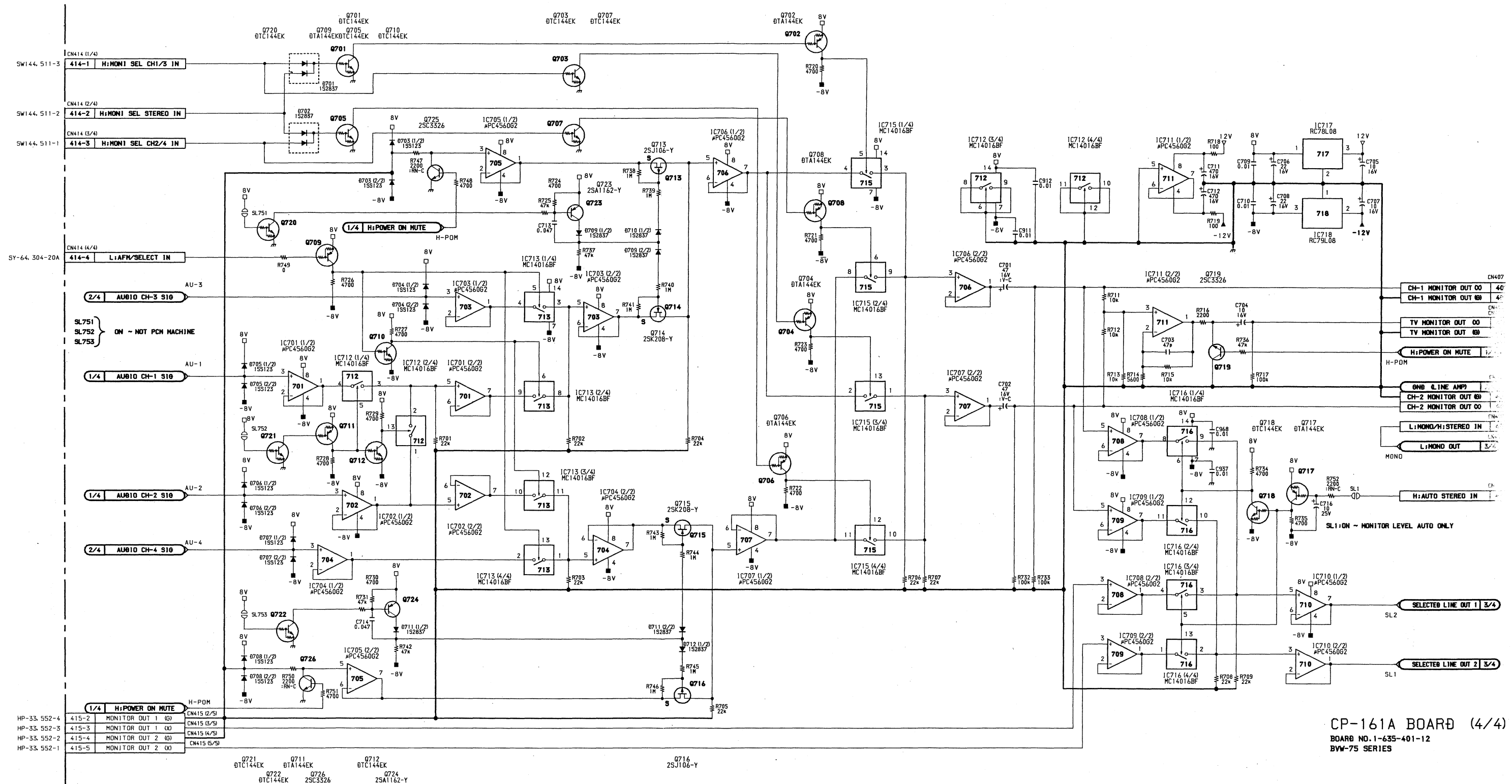
16-279(a)

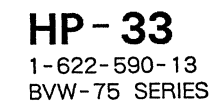
16-280(a)



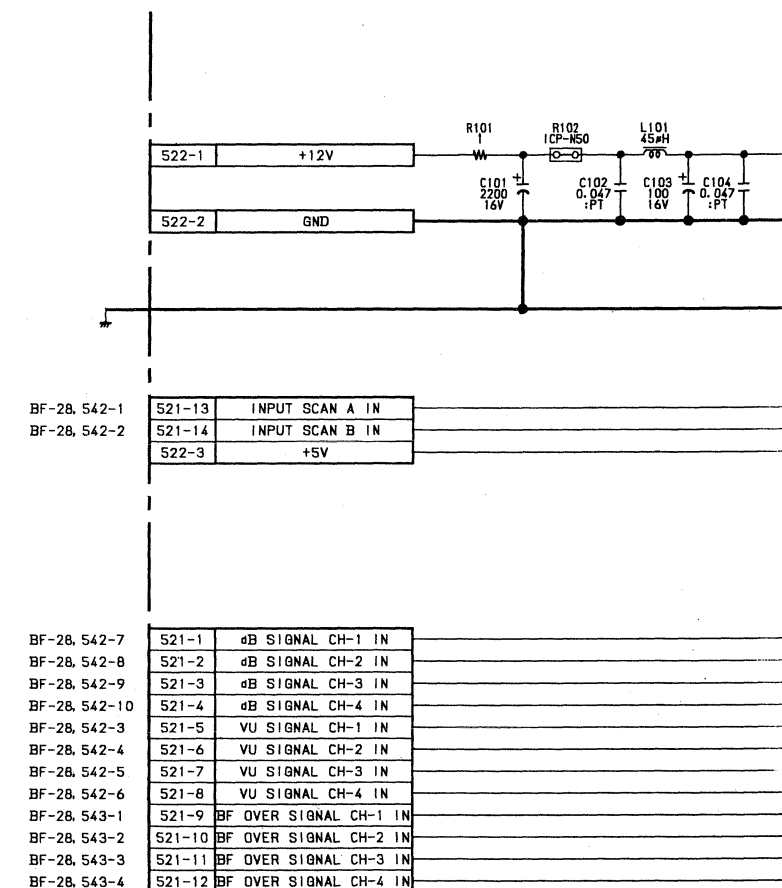
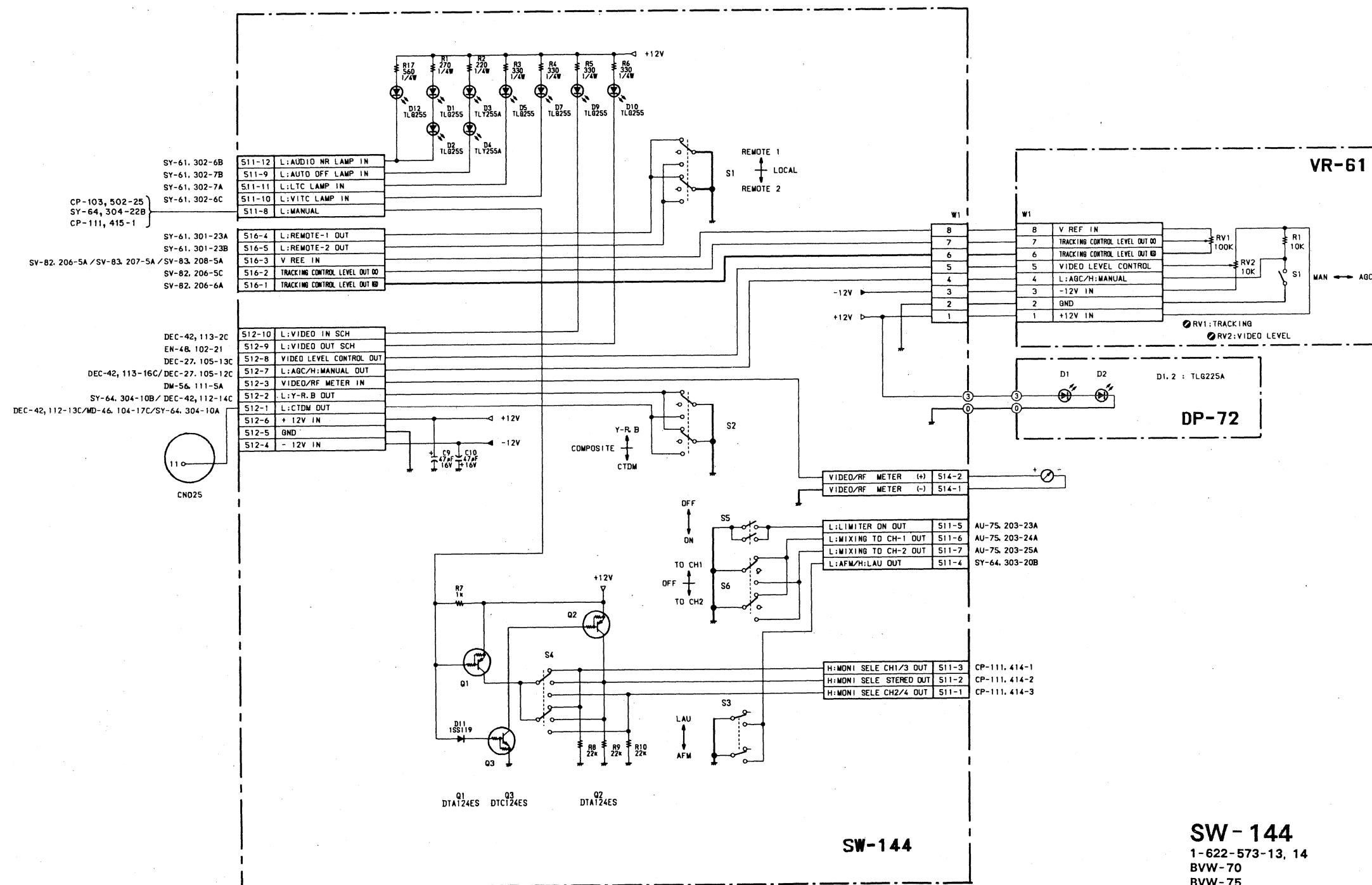
CP-161A (4/4); AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER
 HP-33; HEADPHONES AMPLIFIER/JACK
 VR-62; HEADPHONES LEVEL VOLUME

UC; S/N 16570 and higher
 J; S/N 13024 and higher

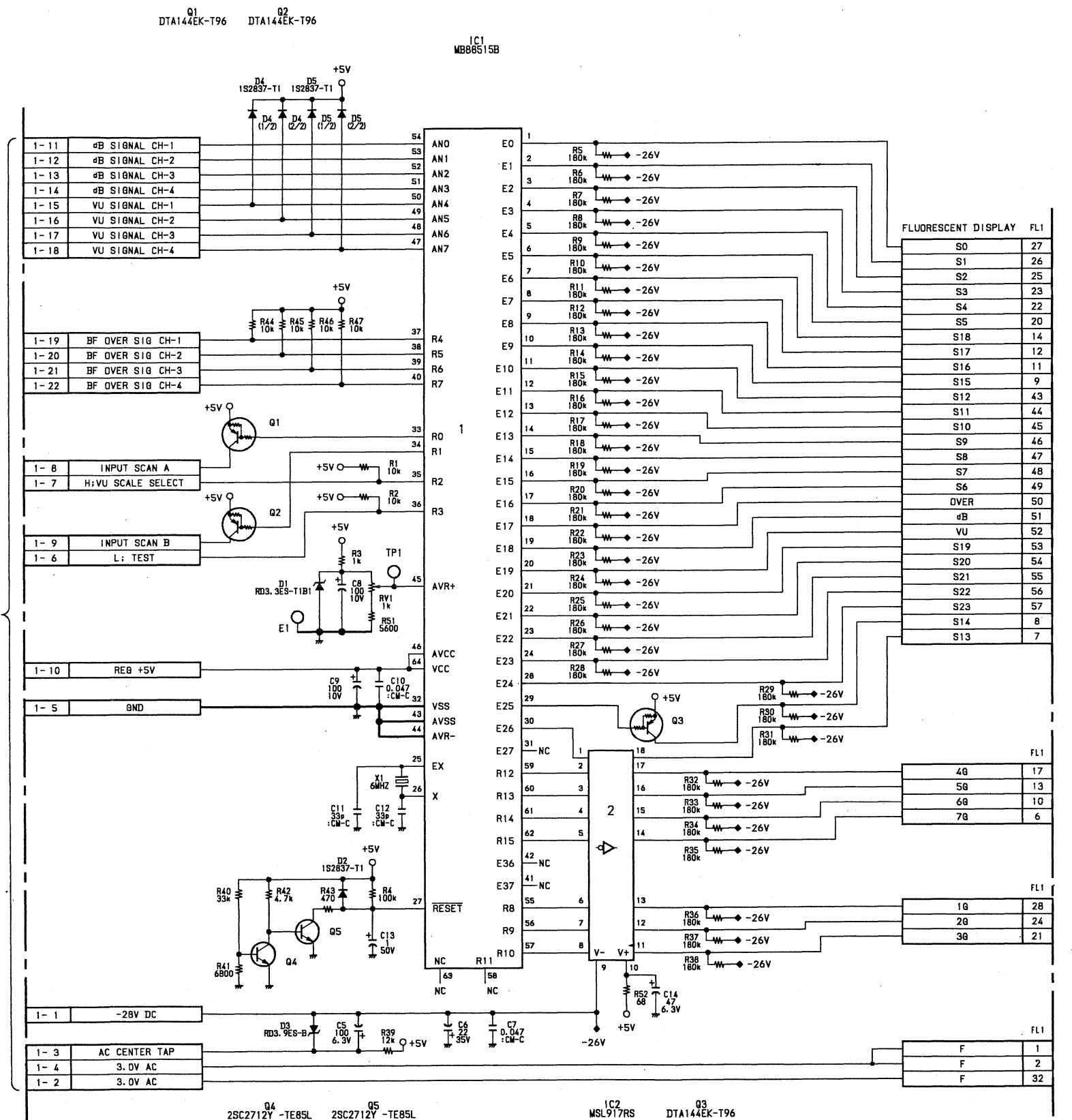
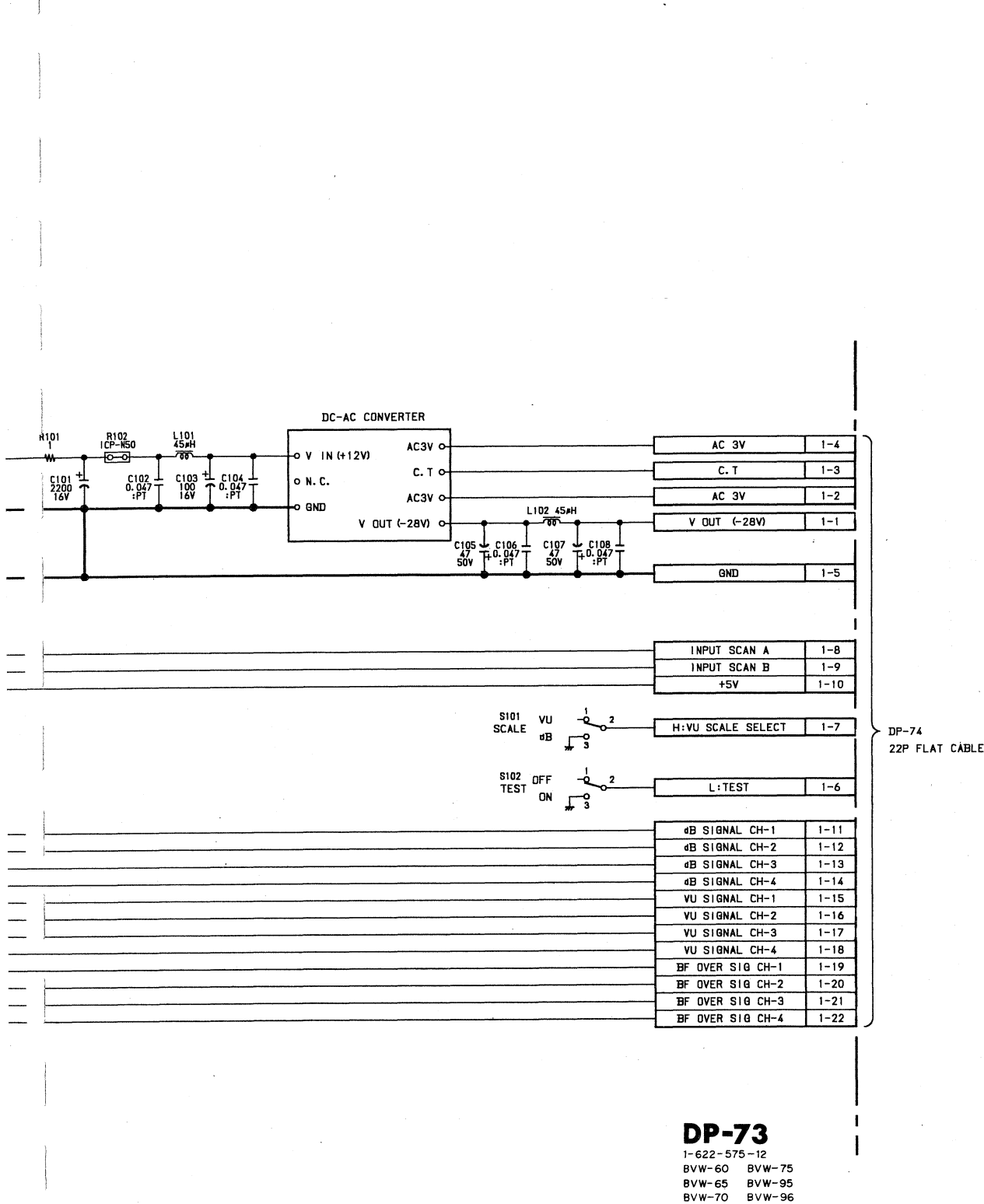




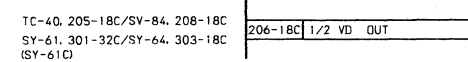
SW-144; SELECT SWITCH/DISPLAY
 VR-61; VIDEO TRACKING CONTROL VOLUME
 DP-72; VIDEO/RF METER LED
 DP-74; AUDIO LEVEL METER CONTROLLER/DRIVER
 DP-73; DC-AC/DC CONVERTER

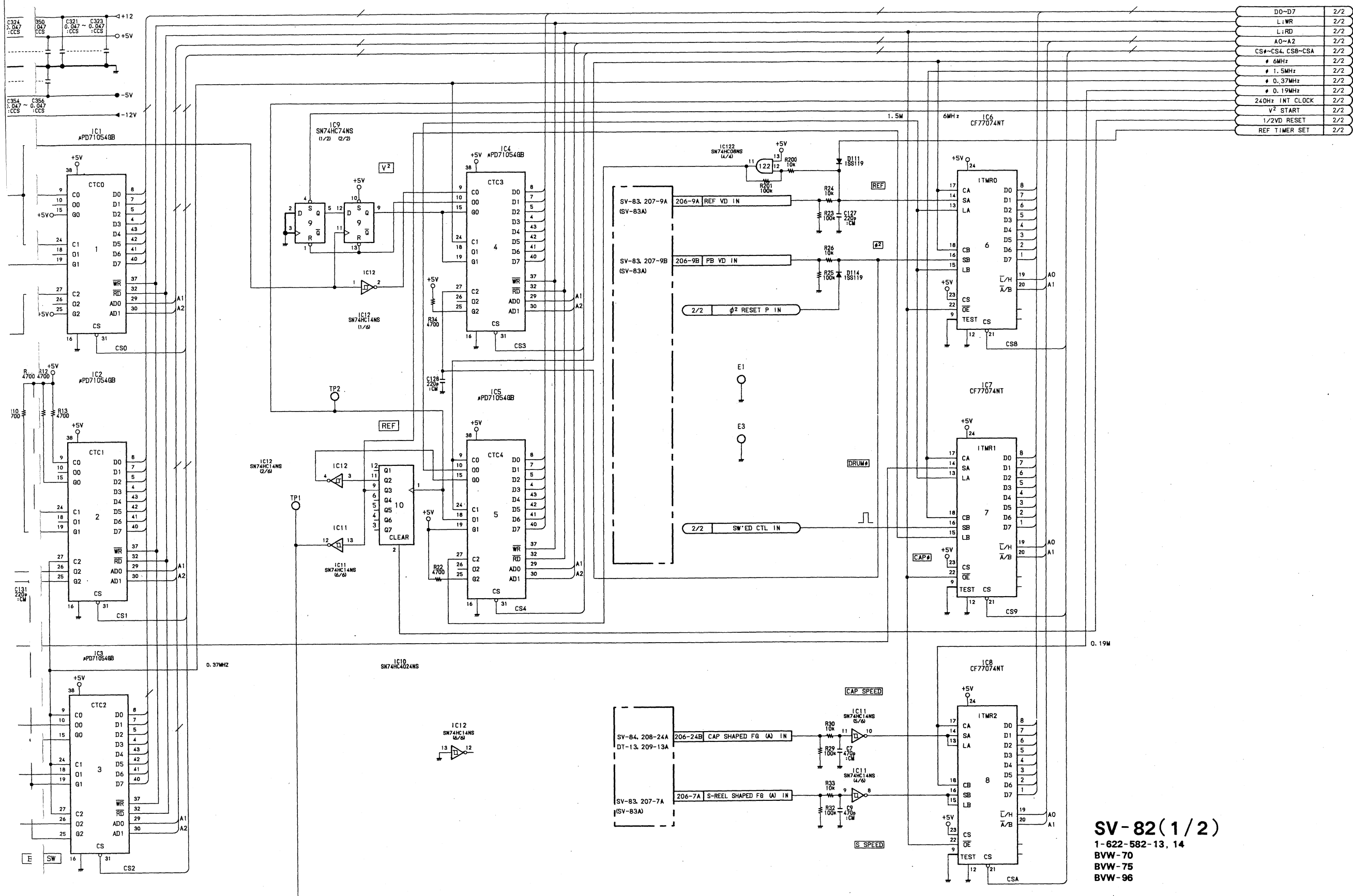


SW-144
 1-622-573-13, 14
 BVW-70
 BVW-75



SV-82 (1/2) SV-82



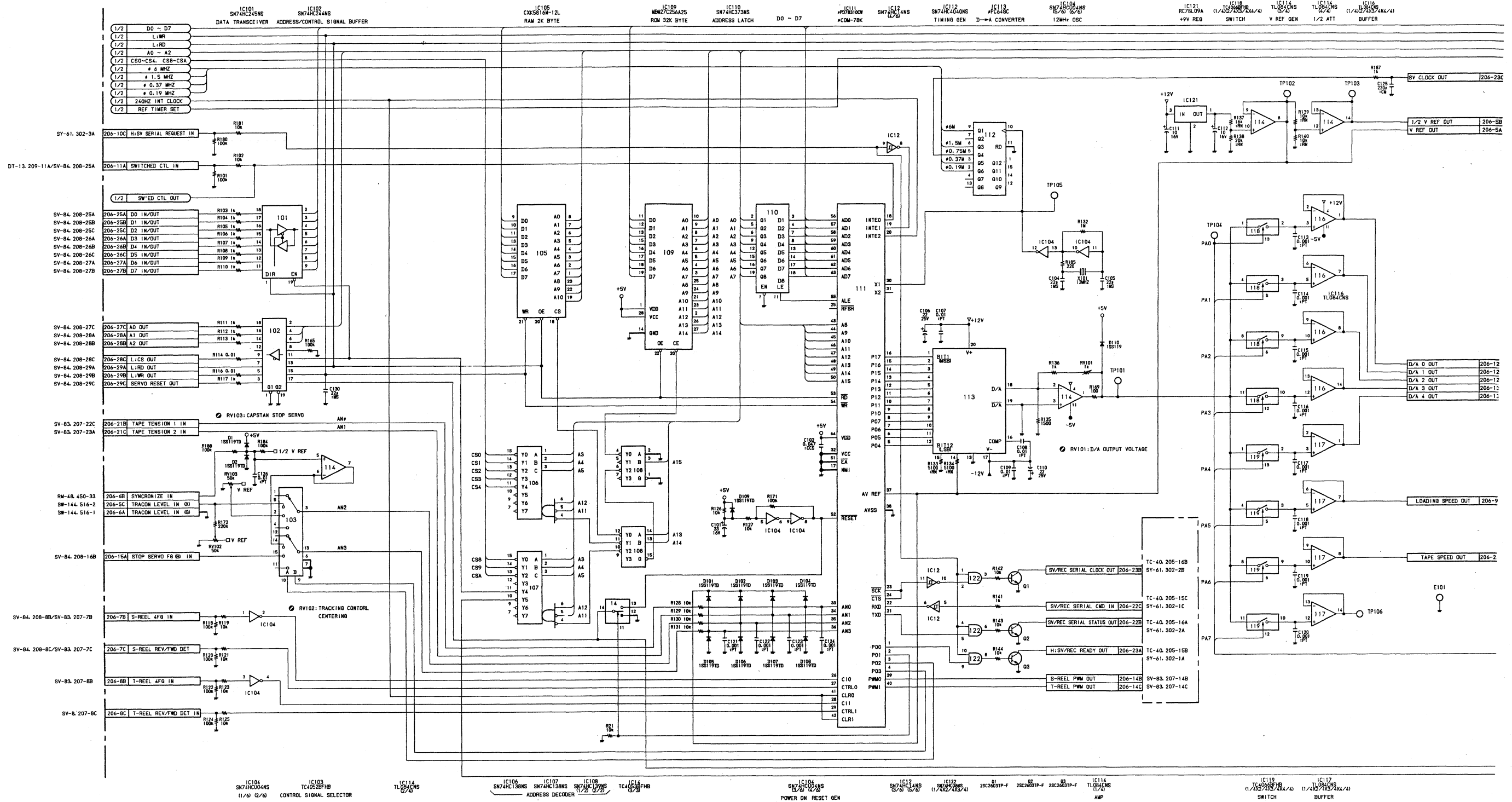


SV-82(1/2)
1-622-582-13, 14
BVW-70
BVW-75
BVW-96

SV-82 (2/2) ; MICROCOMPUTER SERVO

2

4



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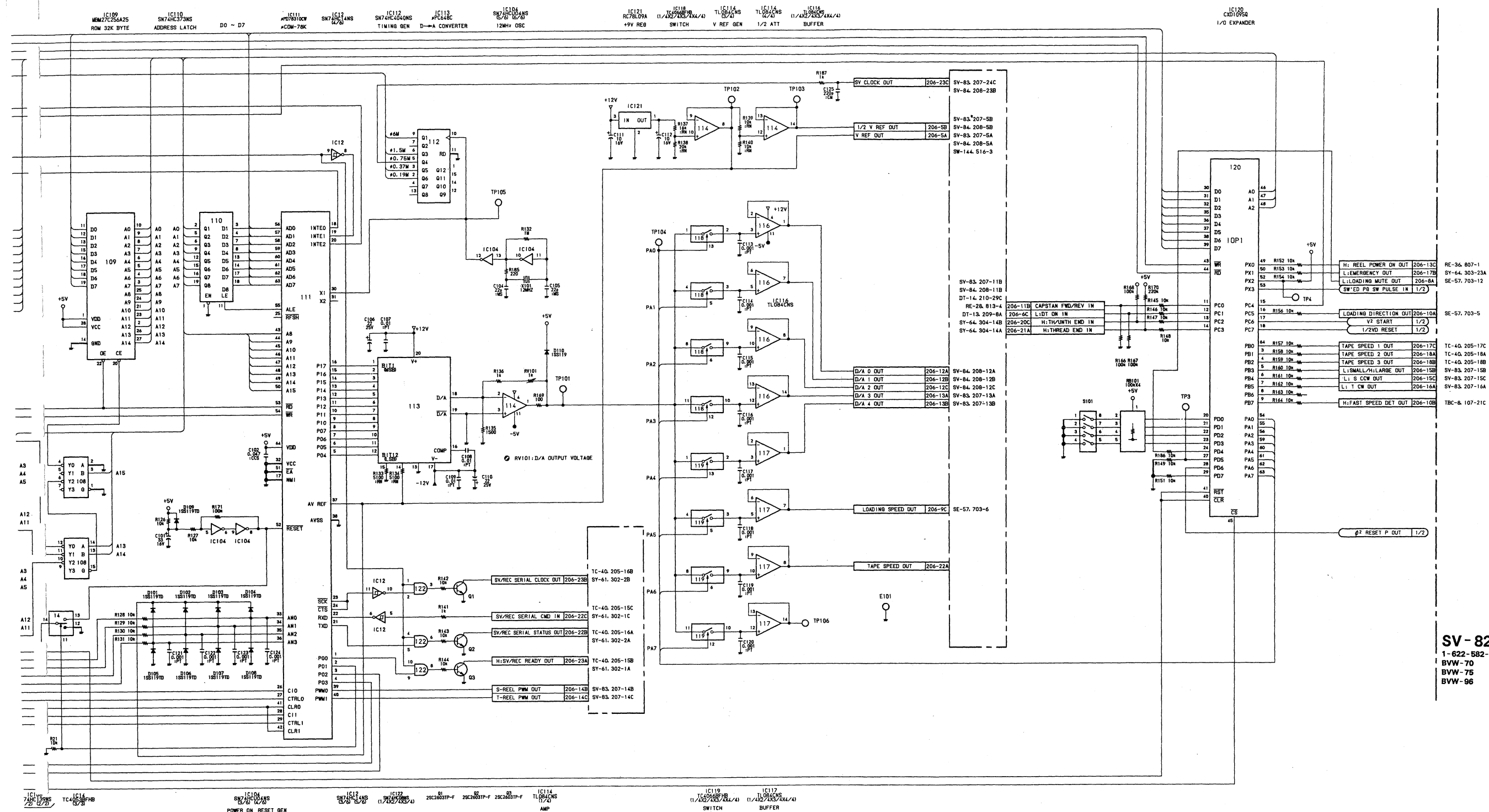
D

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SV-82 (2/2)

1-622-582-13, 14

BVW-70

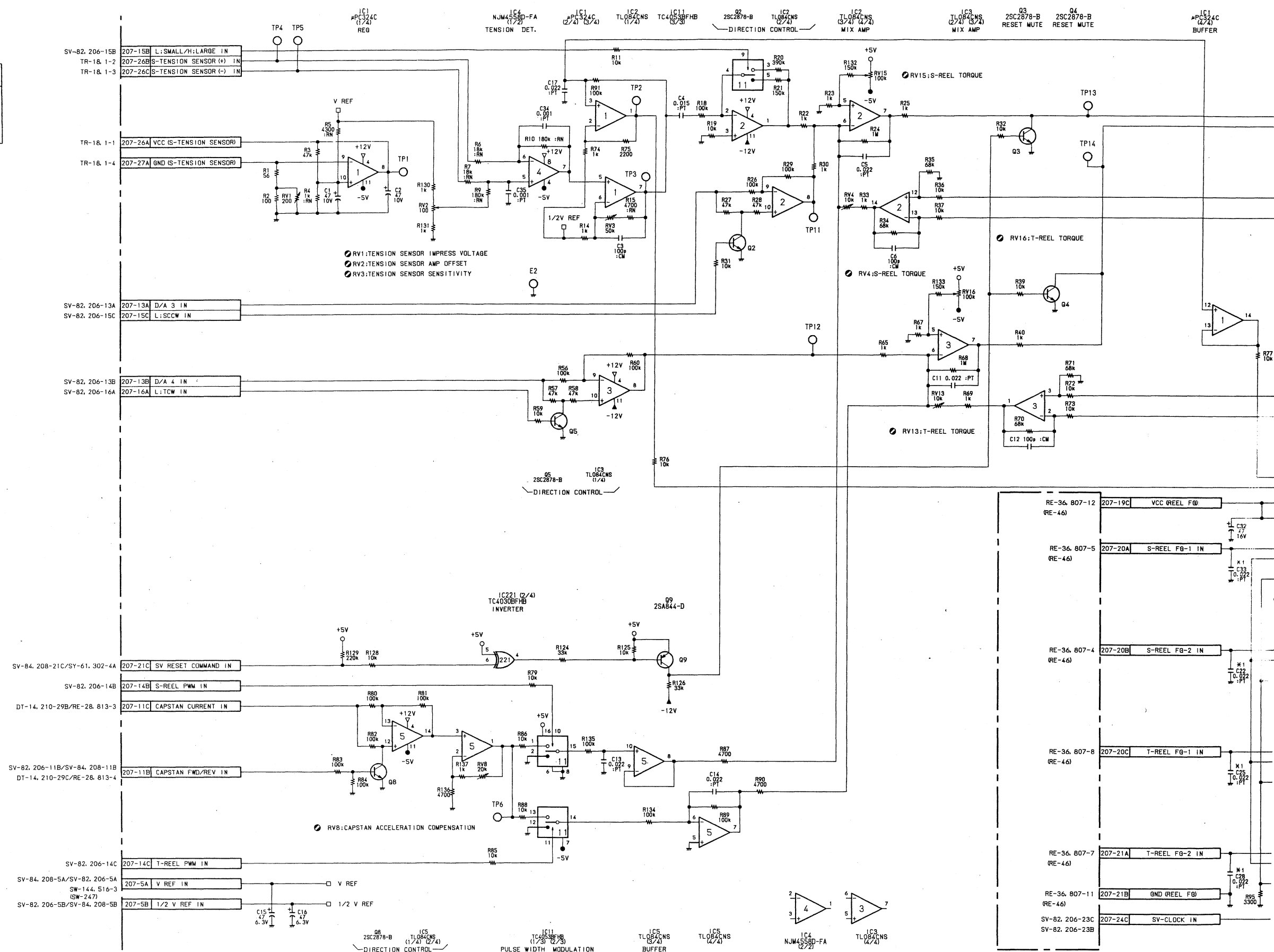
BVW-75

BVW-96

SV-83 (1/2); REEL SERVO

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C22 0.033 → 0.022	UC: S/N 13975 ~
	C25 0.033 → 0.022	J: S/N 11569 ~
	C28 0.033 → 0.022	
	C33 0.033 → 0.022	



A

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C

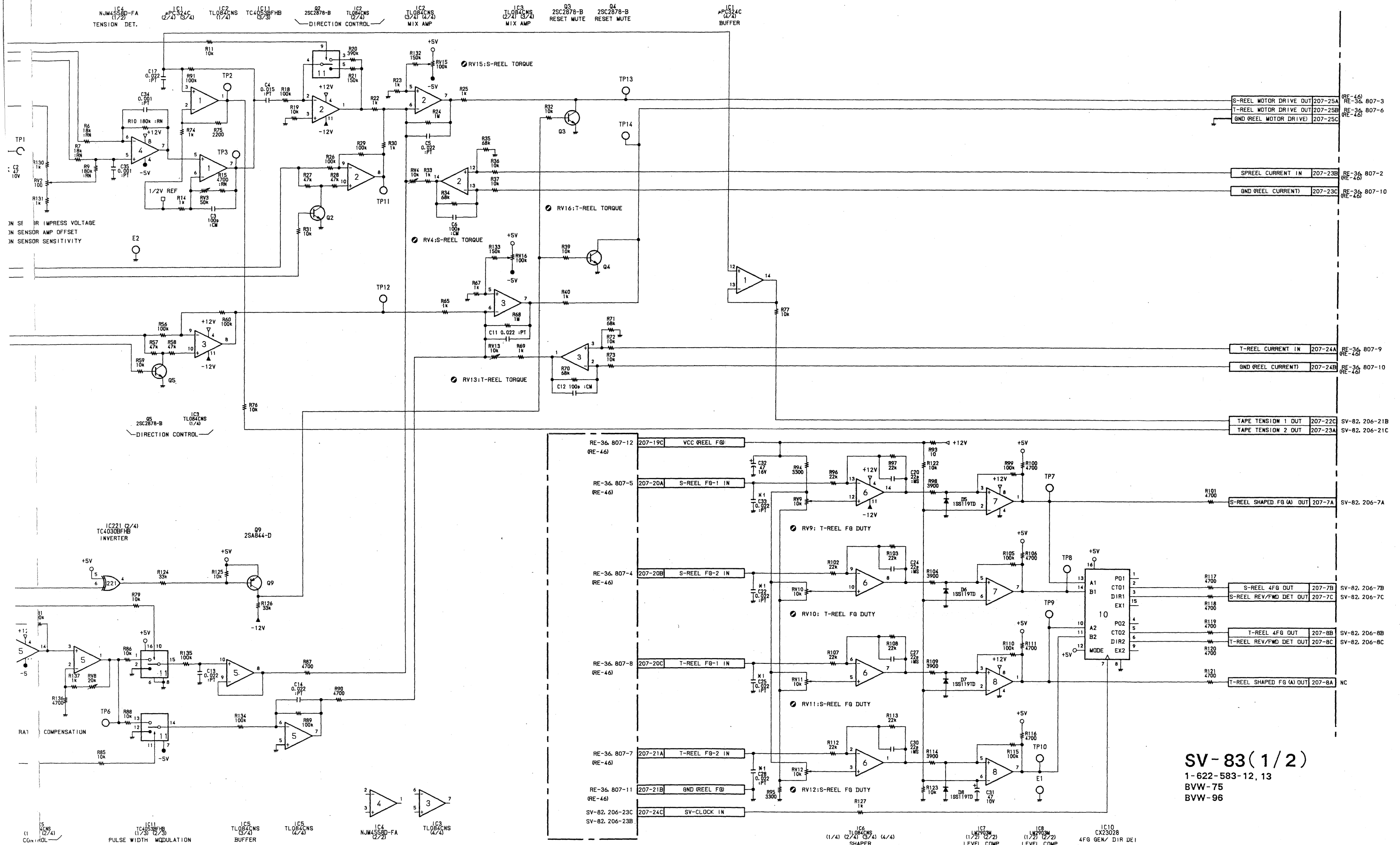
D

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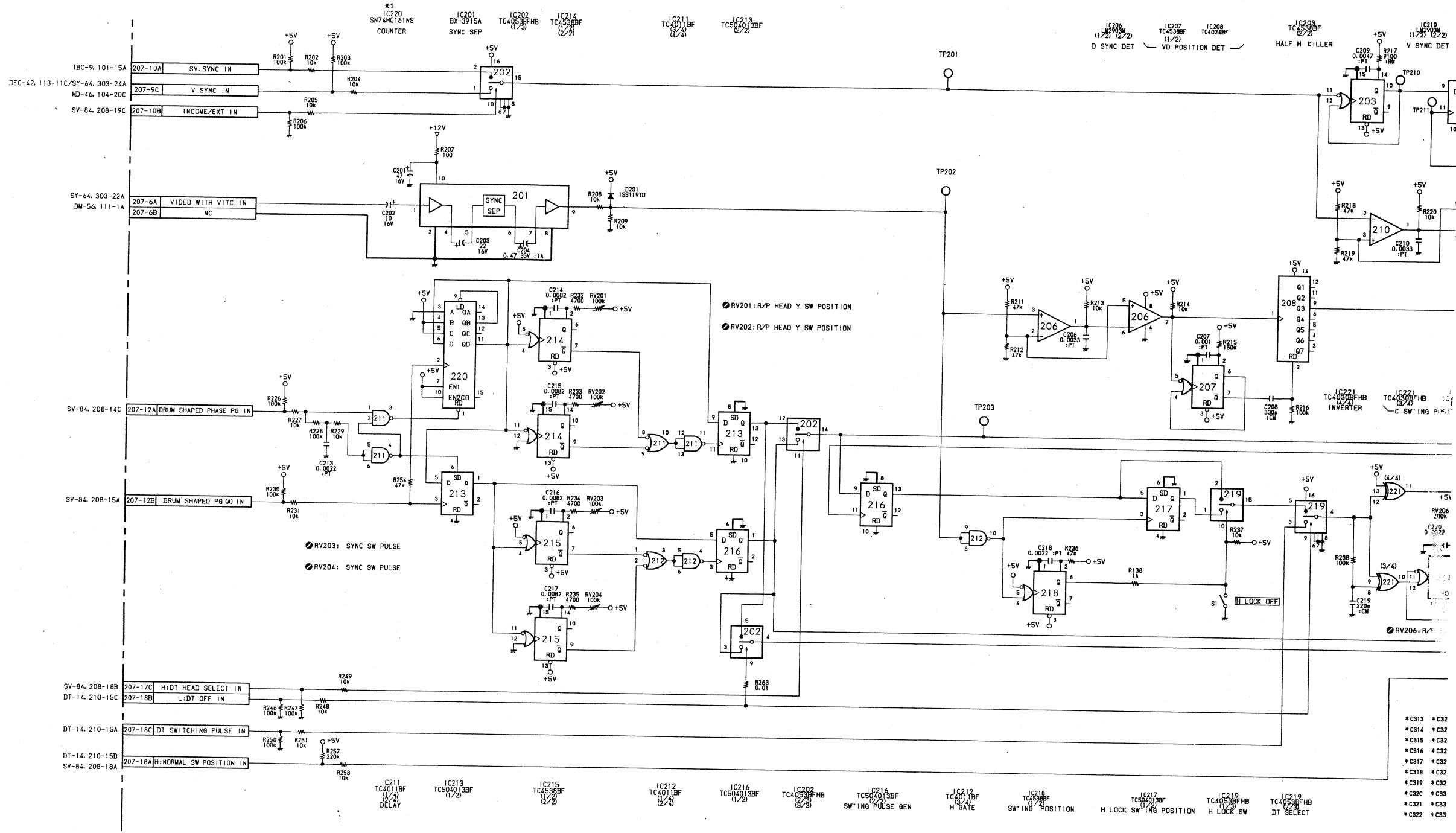


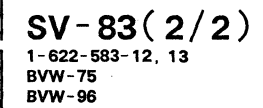
SV-83(1/2)
1-622-583-12, 13
BVW-75
BVW-96

SV-83 (2/2) ; SW PULSE/VD GENERATOR

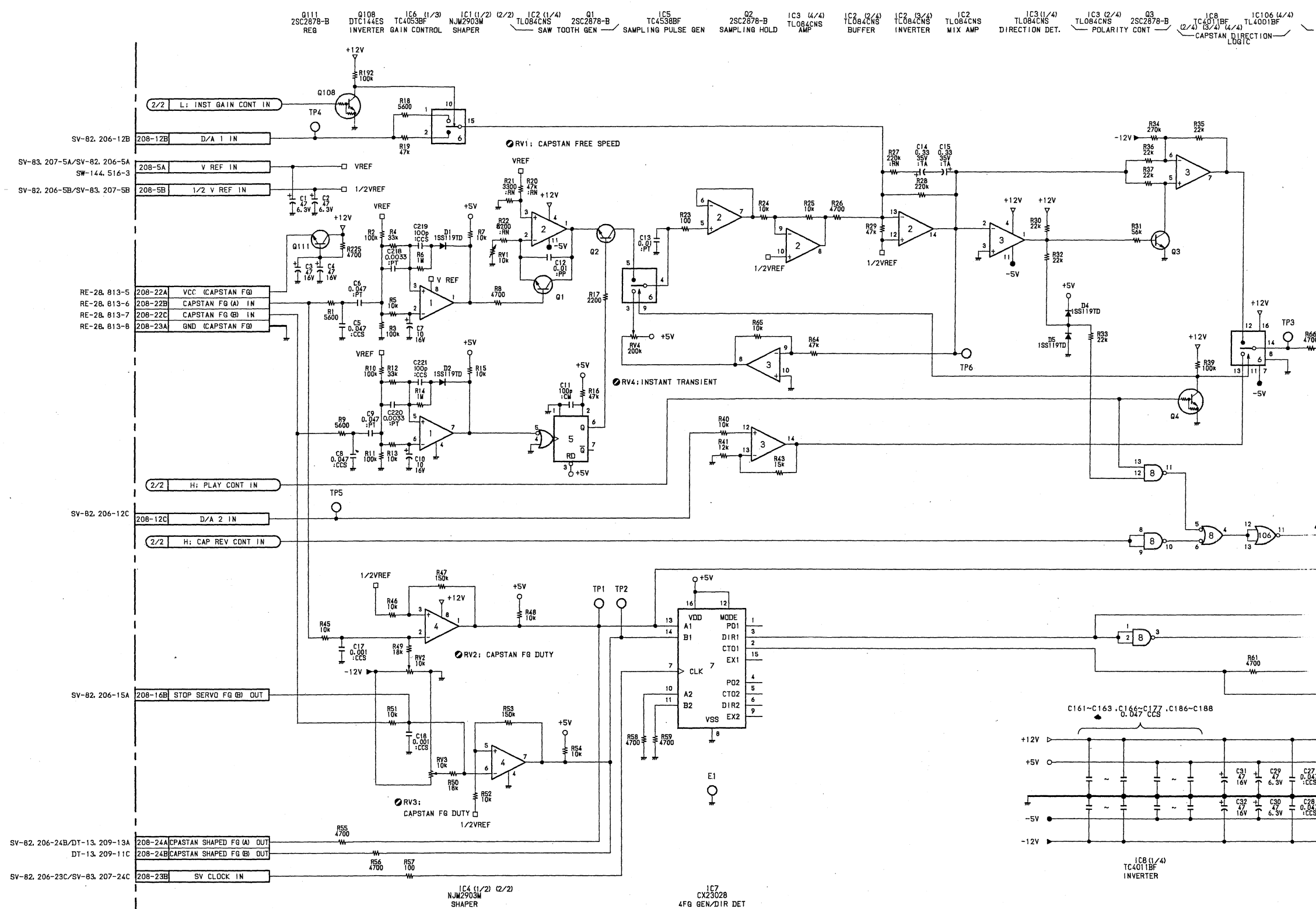
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC220 TC74HC160F → TC74HC161F	UC; S/N 14822 ~ J; S/N 12029 ~





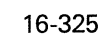
SV-84 (1/2); CAPSTAN SERVO

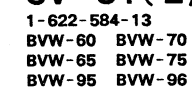




BVW - 65 BVW - 96
BVW - 75
BVW - 95

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16-326

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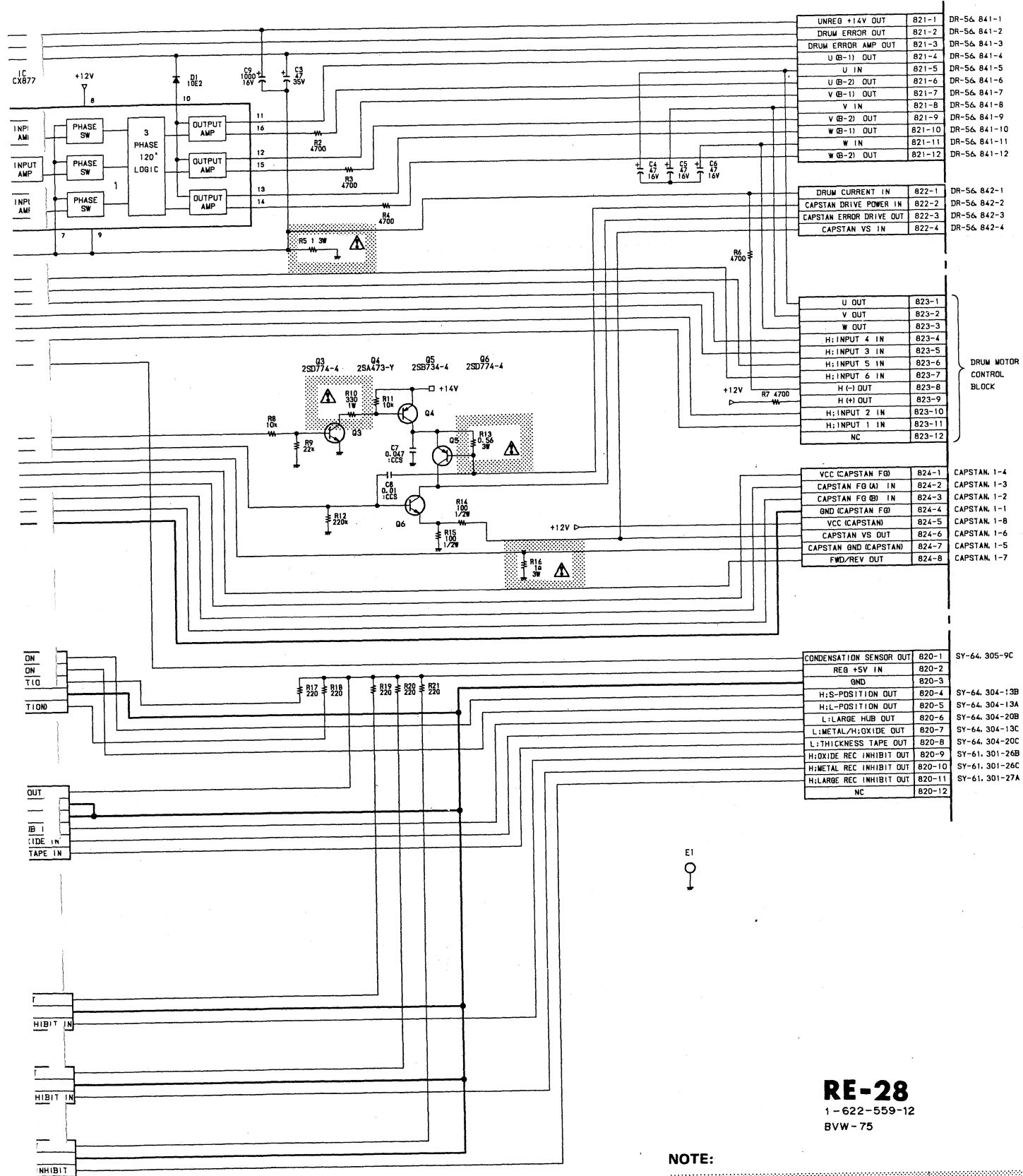
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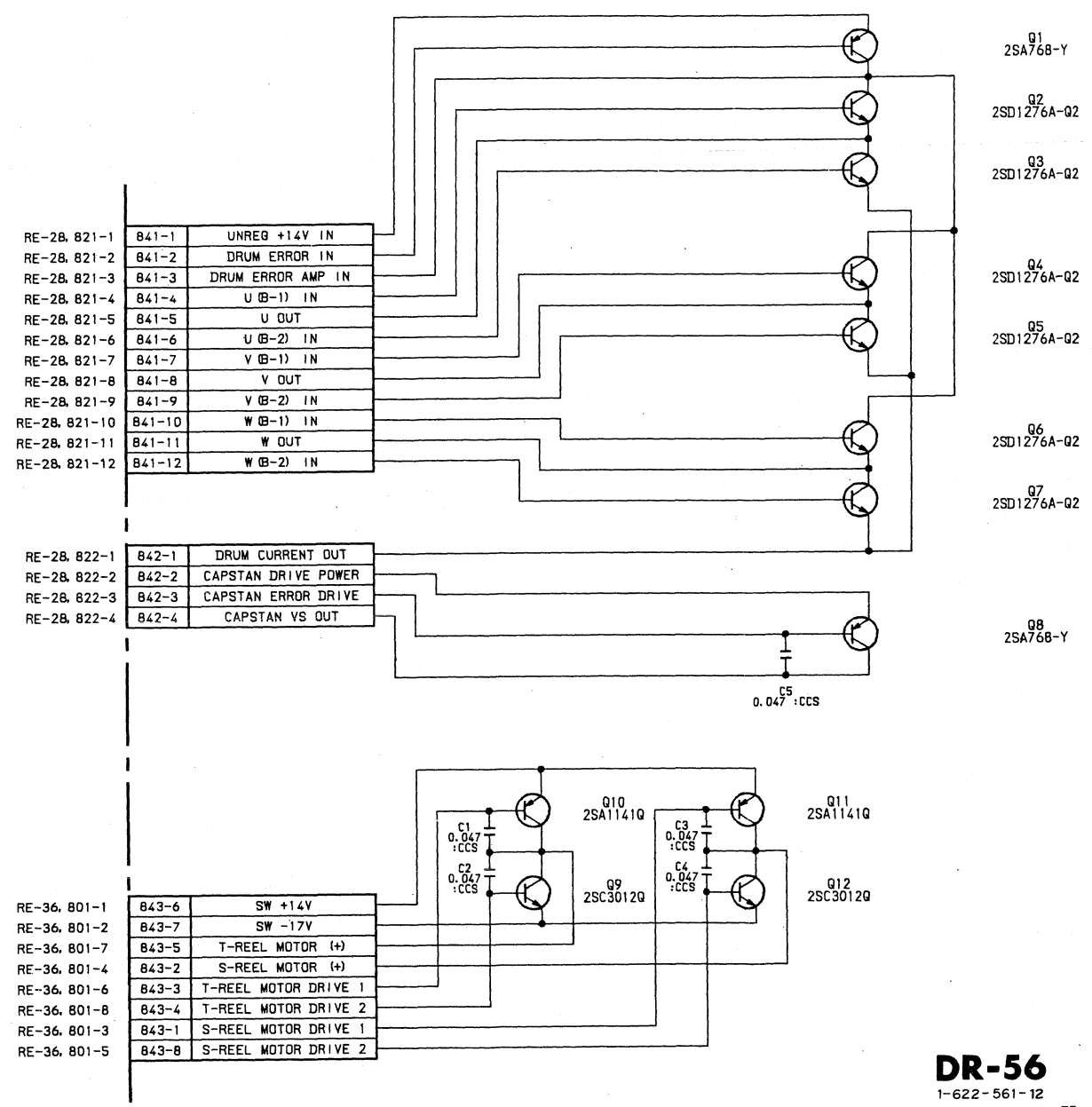
NOTE:

The shaded and -marked components are critical to safety.
Replace only with same components as specified.



RE-28
1-622-559-12
BVW-75

NOTE:
The shaded and -marked components are critical to safety.
Replace only with same components as specified.

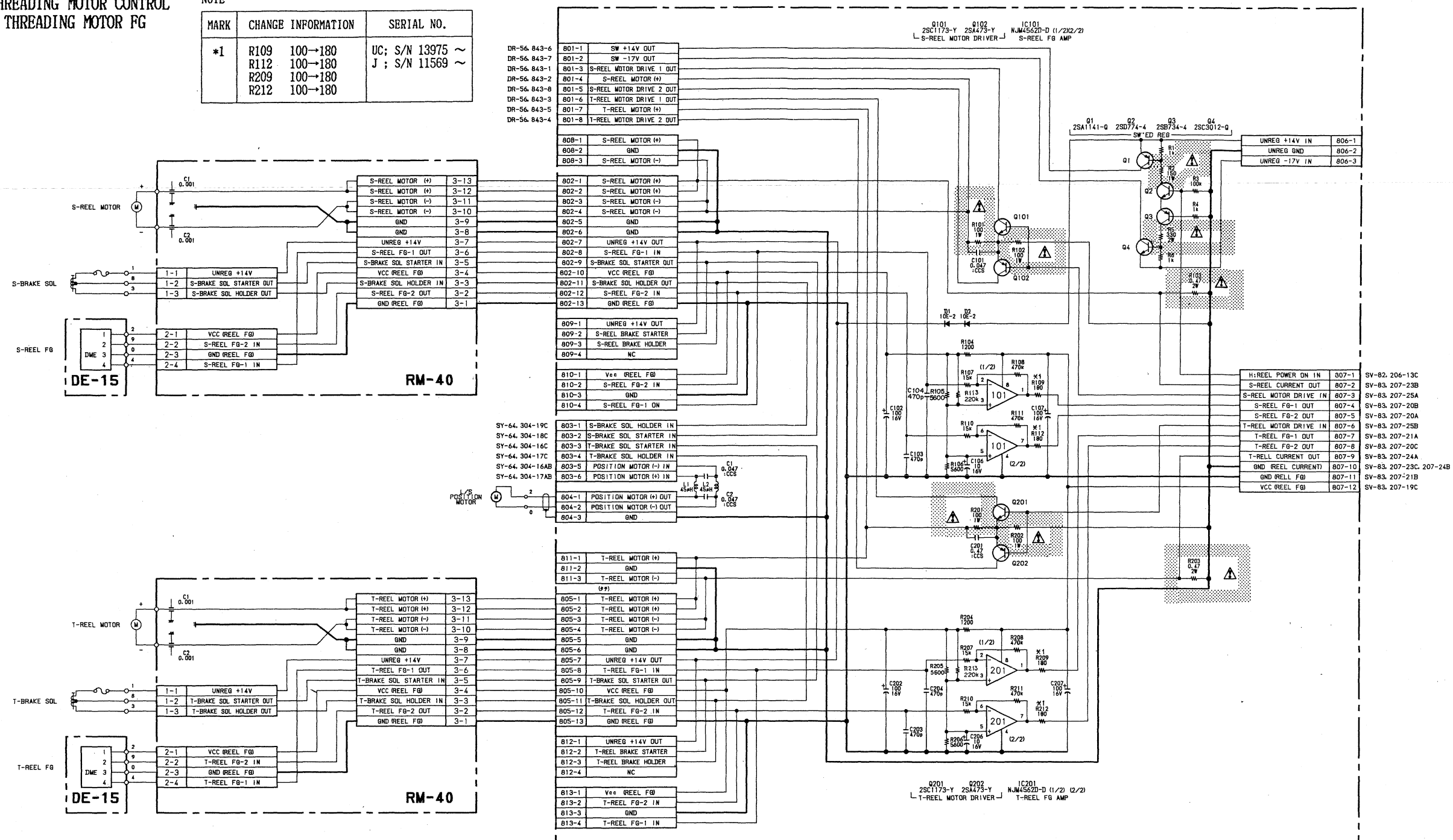


DR-56
1-622-561-12
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

RE-36; REEL MOTOR DRIVER, REEL FG AMPLIFIER
 RM-40; REEL MOTOR
 DE-15; REEL FG
 SE-57; THREADING MOTOR CONTROL
 PTC-31; THREADING MOTOR FG

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R109 100→180 R112 100→180 R209 100→180 R212 100→180	UC; S/N 13975 ~ J; S/N 11569 ~



RE-36

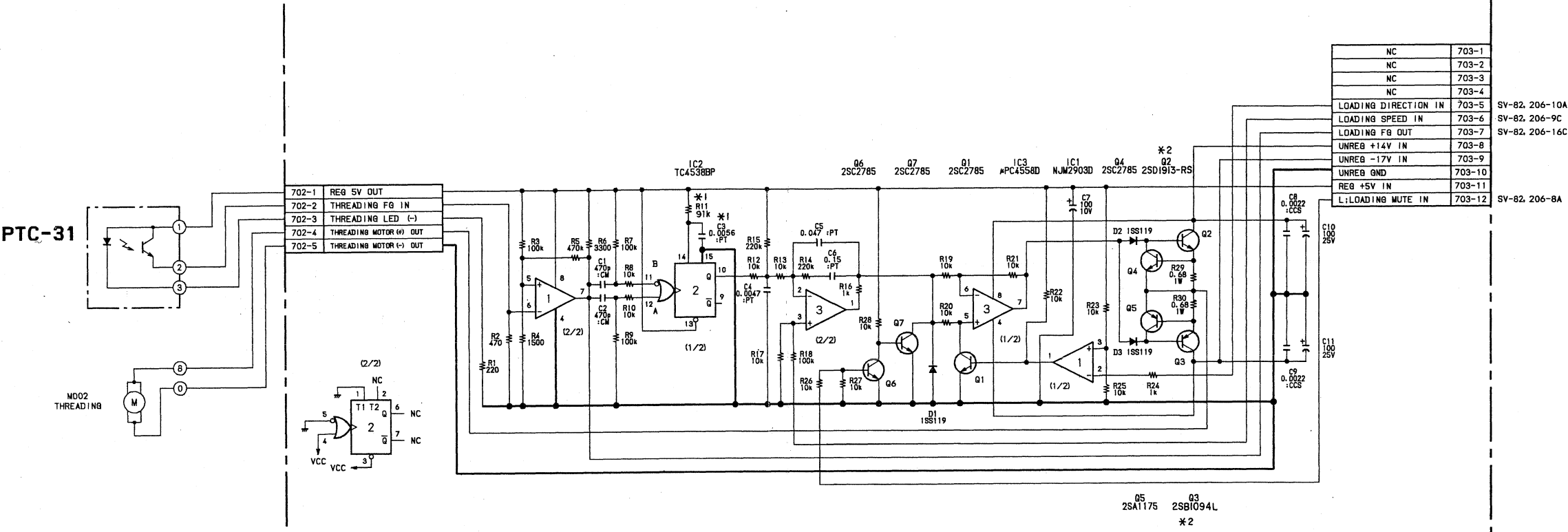
1-622-560-11
 BVW-60 BVW-70
 BVW-65 BVW-75

NOTE:

The shaded and Δ -marked components are critical to safety.
 Replace only with same components as specified.

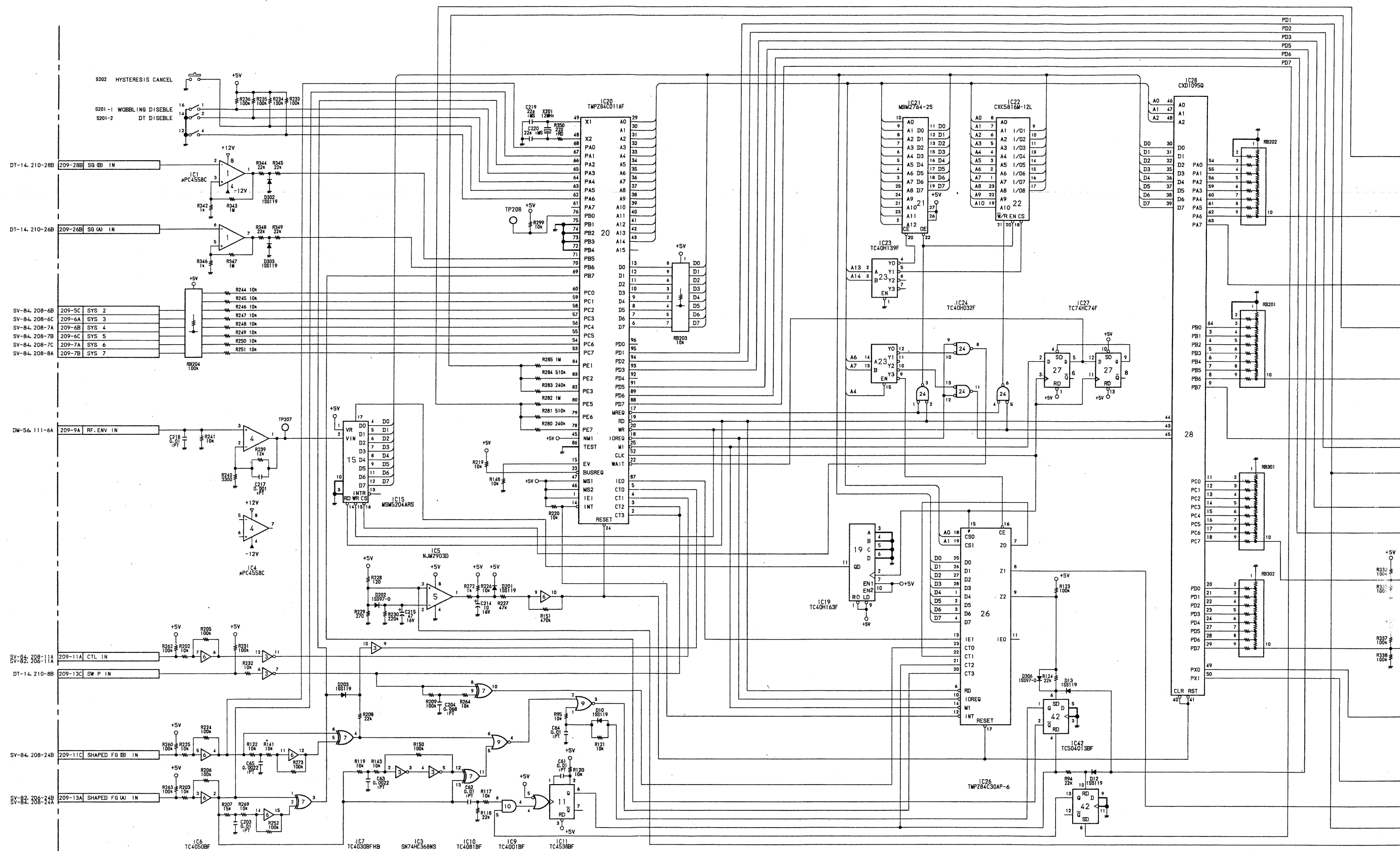
NOTE

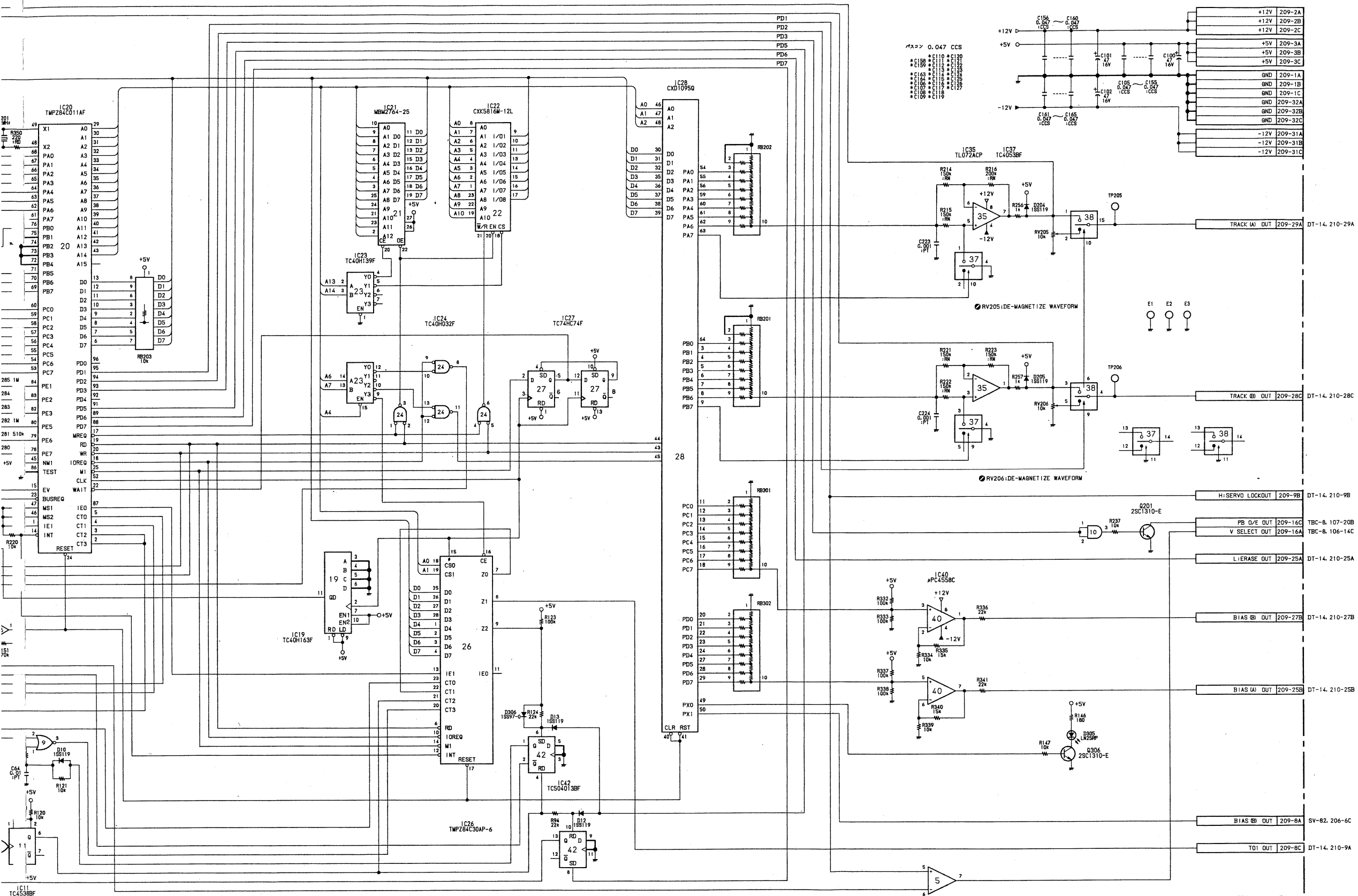
MARK	CHANGE INFORMATION	SERIAL NO.
*1	C3 0.0047 → 0.0056 R11 100k → 9k	UC: S/N 15127 ~ J: S/N 12189 ~
*2	Q2 2SC1173 → 2SD1913-RS Q3 2SA473 → 2SB1094L	UC: S/N 15800 ~ J: S/N 12539 ~



SE-57
1-622-562-12
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

DT-13; DYNAMIC TRACKING



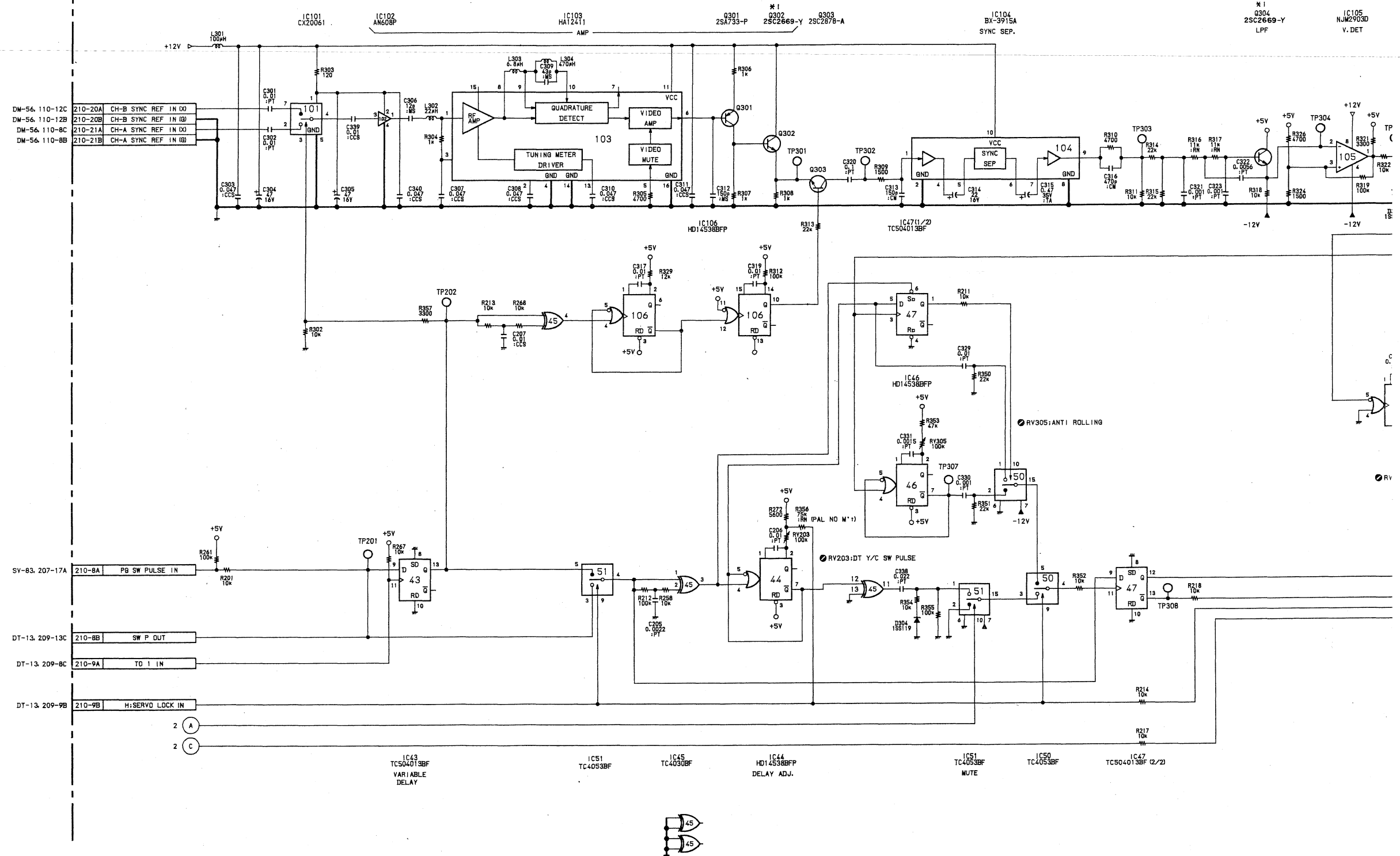


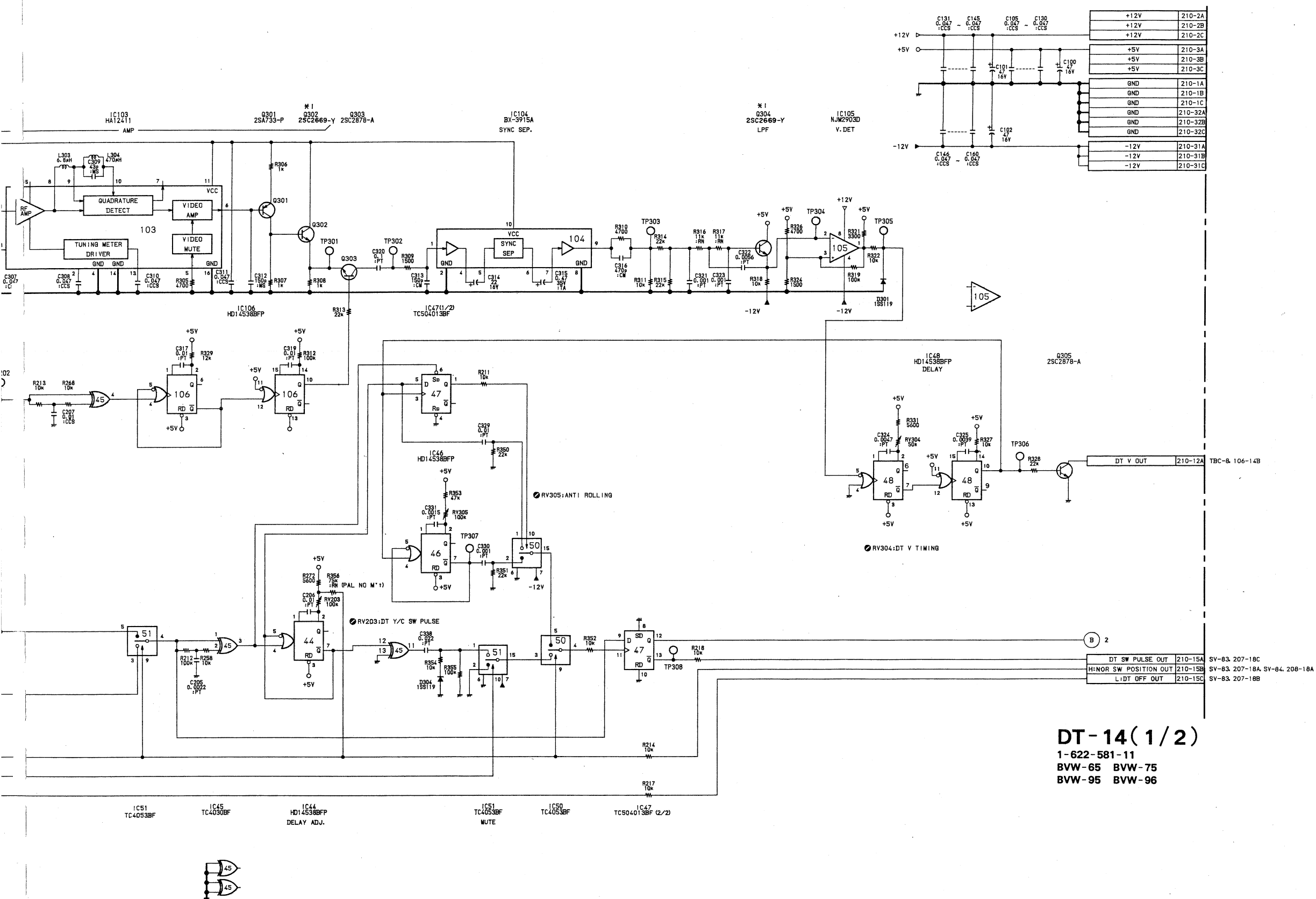
DT-13
1-622-580-12
BVW-65 BVW-75
BVW-95 BVW-96

DT-14 (1/2); DT V GENERATOR

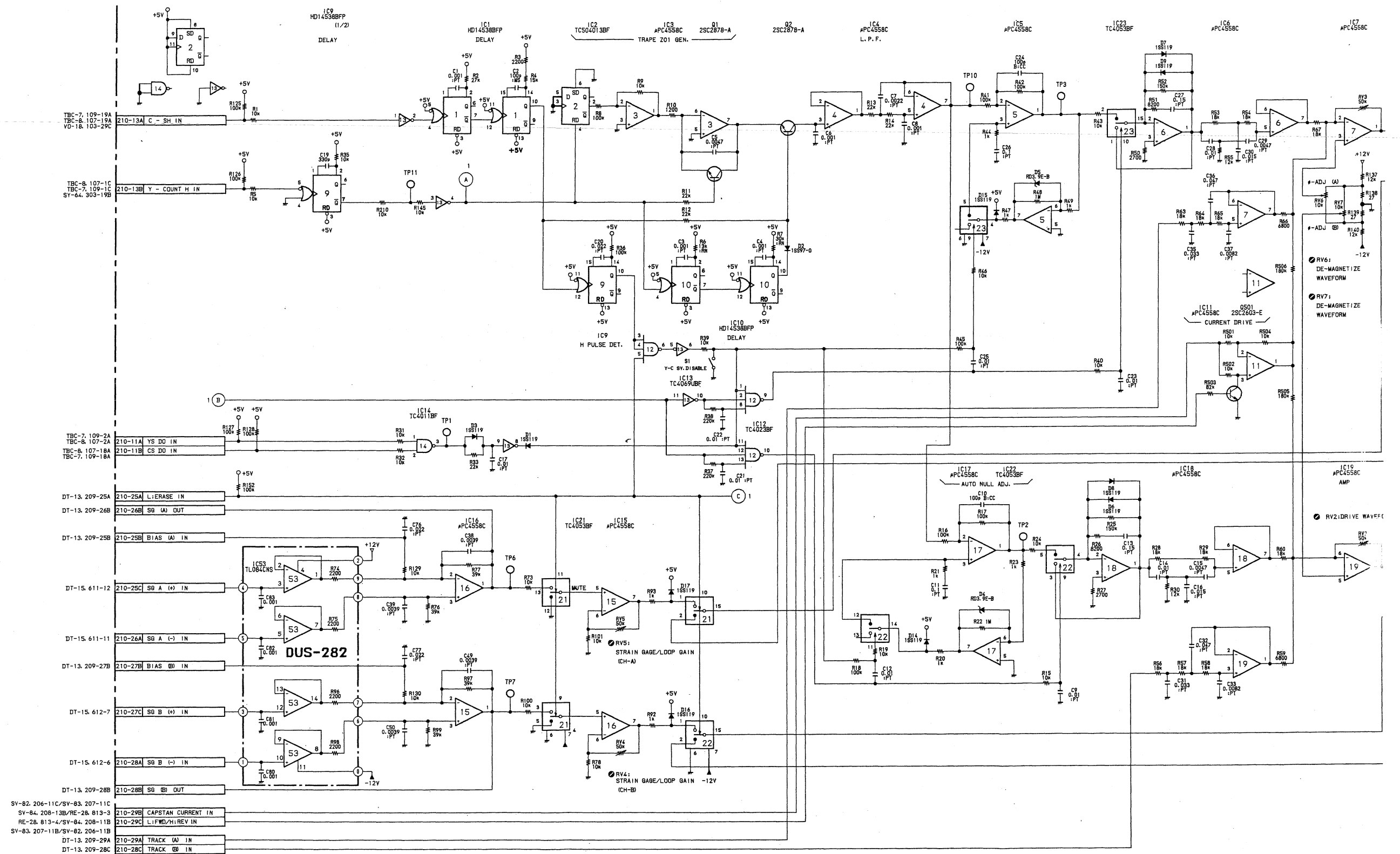
NOTE

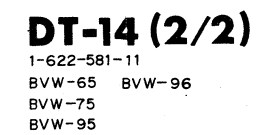
MARK	CHANGE INFORMATION	SERIAL NO.
*1	Q302, Q304 2SC403SP-5 → 2SC2669-Y	UC; S/N 16143 ~ J; S/N 12689 ~





16-357



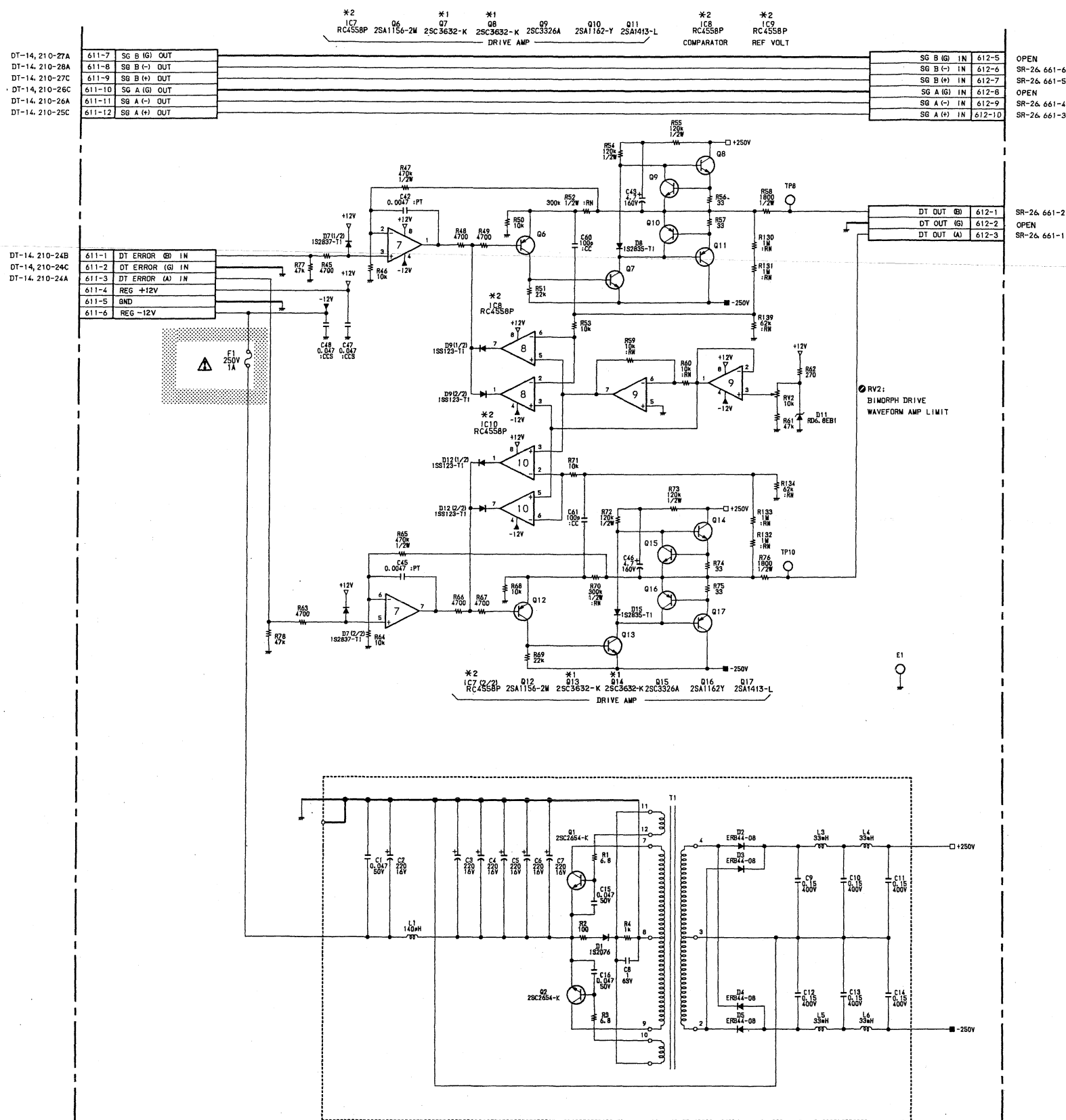


DT-15 ; POWER DRIVER


NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	Q7 2SC1762-1→ 2SC3632-K Q8 2SC1762-1→ 2SC3632-K Q13 2SC1762-1→ 2SC3632-K Q14 2SC1762-1→ 2SC3632-K	UC: S/N 13975 ~ J: S/N 11569 ~
*2	IC7, IC8, IC9, IC10 NJM4558M → RC4558P	UC: S/N 14657 ~ J: S/N 11949 ~

DT-15 DT-15



NOTE:

The shaded and -marked components are critical to safety.
Replace only with same components as specified.

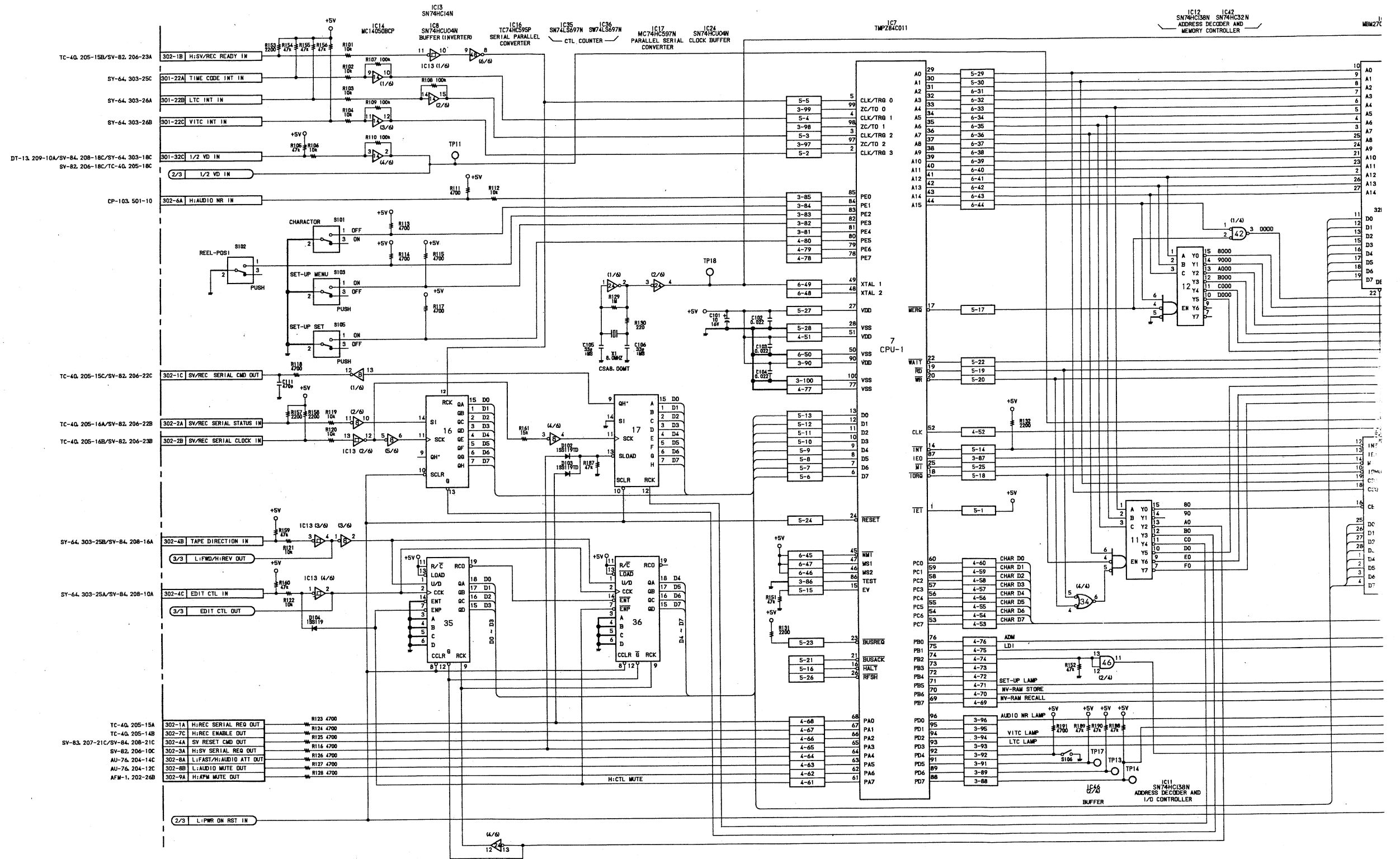
DT-15

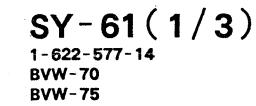
1-622-558-12, 13, 14
BVW-65 BVW-75
BVW-95 BVW-96

SY-61 (1/3) ; SYSTEM CONTROL, CPU-1

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C112 13pF → 43pF	UC; S/N 13176 ~ J; S/N 11204 ~
*2	C112 43pF → 33pF	UC; S/N 13781 ~ J; S/N 11569 ~
*3	C107 560pF → 270pF	UC; S/N 15800 ~ J; S/N 12469 ~
*4	IC5,23 CXK5816PN-12L → SRM2016C10	UC; S/N 17653 ~ J; S/N 13769 ~

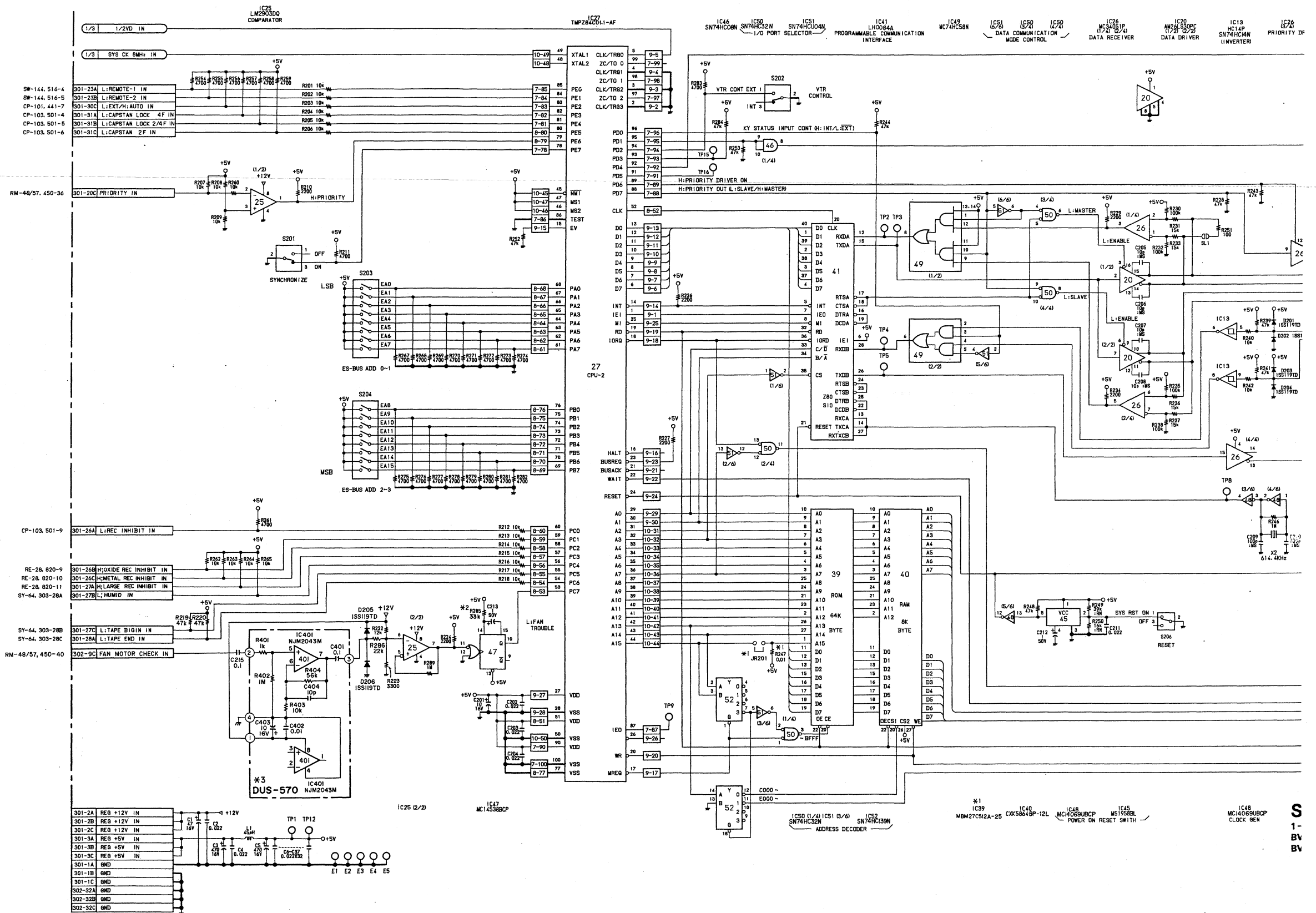


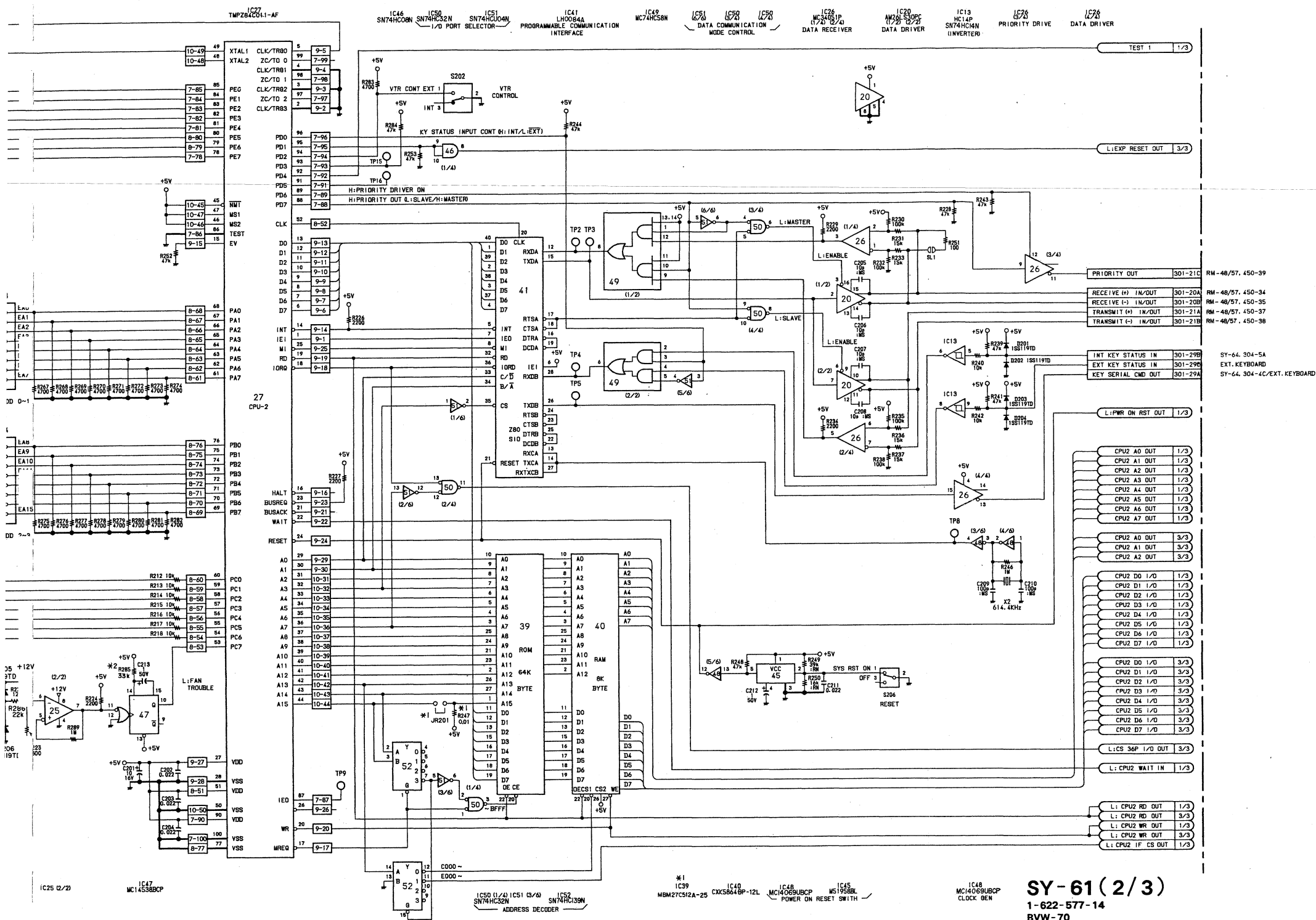


SY-61 (2/3); SYSTEM CONTROL, CPU-2, SERIAL INTERFACE
DUS-570; FAN MOTOR ERROR DETECTOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO. NO.
*1	IC39 MBM27C512A-25 ↓ MBM27C512A-25 JR201 ADDED R247 0.01 DELETED	UC; S/N 13176 ~ J; S/N 11204 ~
*2	CHANGED R285 15k → 33k	UC; S/N 15894 ~ J; S/N 12589 ~
*3	DUS-570 ADDED	UC; S/N 18395 ~ J; S/N 14008 ~



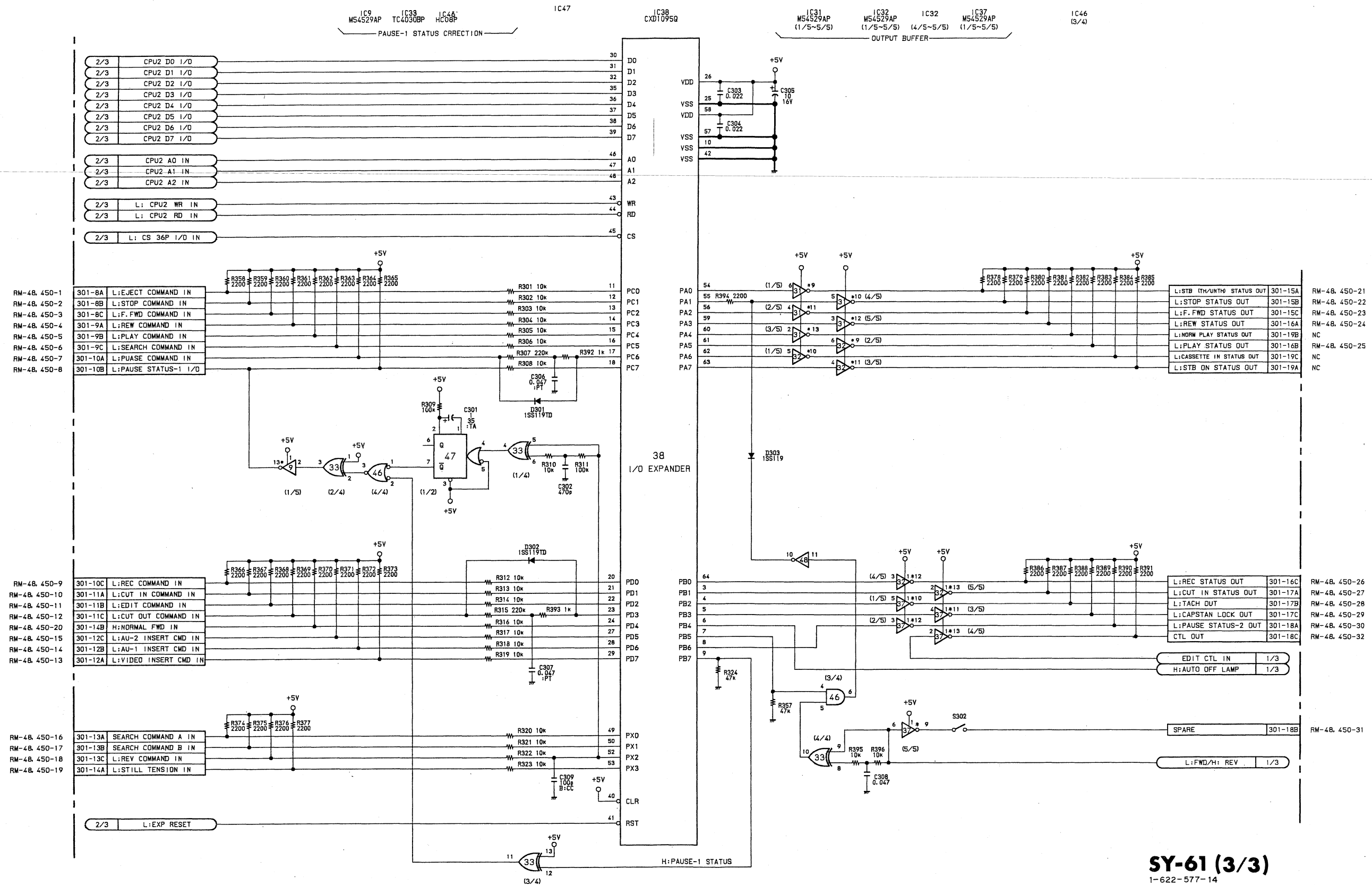


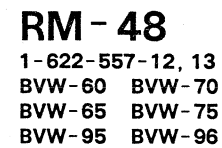
SY-61 (2/3)


1-622-577-14

BVW-70

BVW-75

SY-61 (3/3); SYSTEM CONTROL, PARALEL INTERFACE
RM-48; REMOTE CONNECTOR

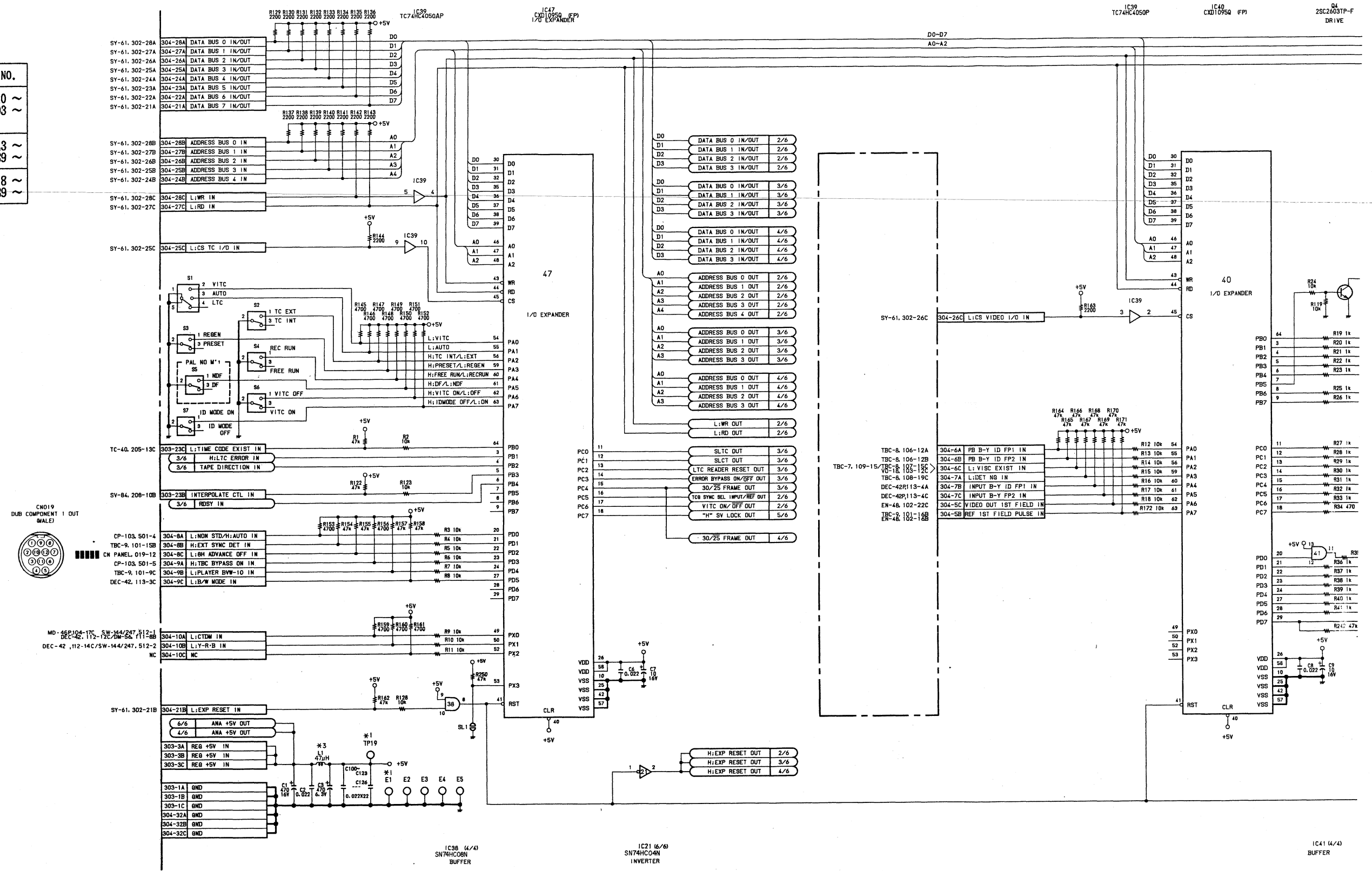


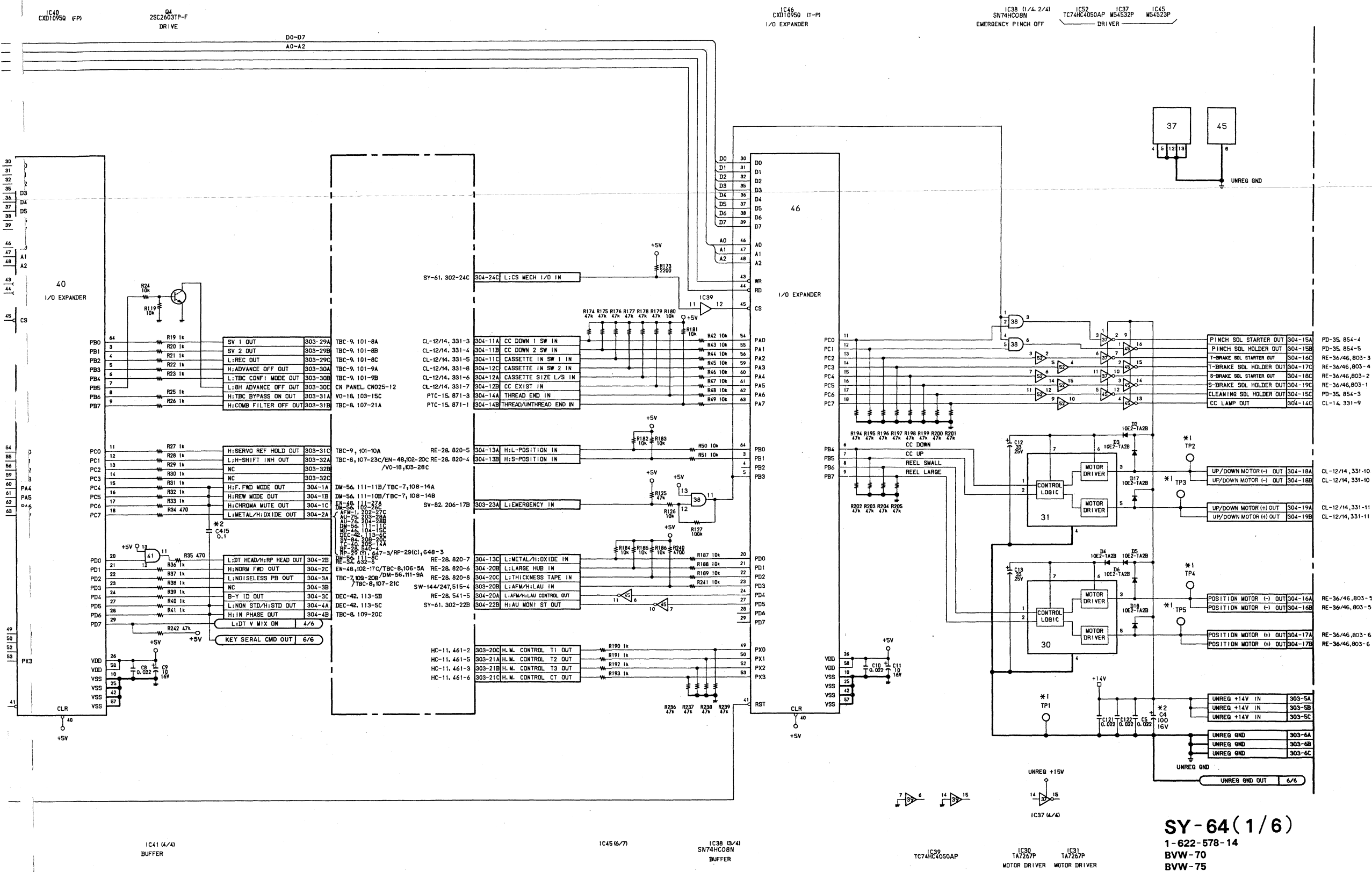
The shaded and -marked components are critical to safety.
Replace only with same components as specified.

SY-64 (1/6) ; I/O EXPANDER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED E1, TP1, TP2, TP3, TP4 TP5, TP19	UC: S/N 13410 ~ J: S/N 11403 ~
*2	C415 ADDED C4 220/25V → 100/16V	UC: S/N 16143 ~ J: S/N 12689 ~
*3	L1 45μH → 47μH	UC: S/N 17118 ~ J: S/N 13389 ~

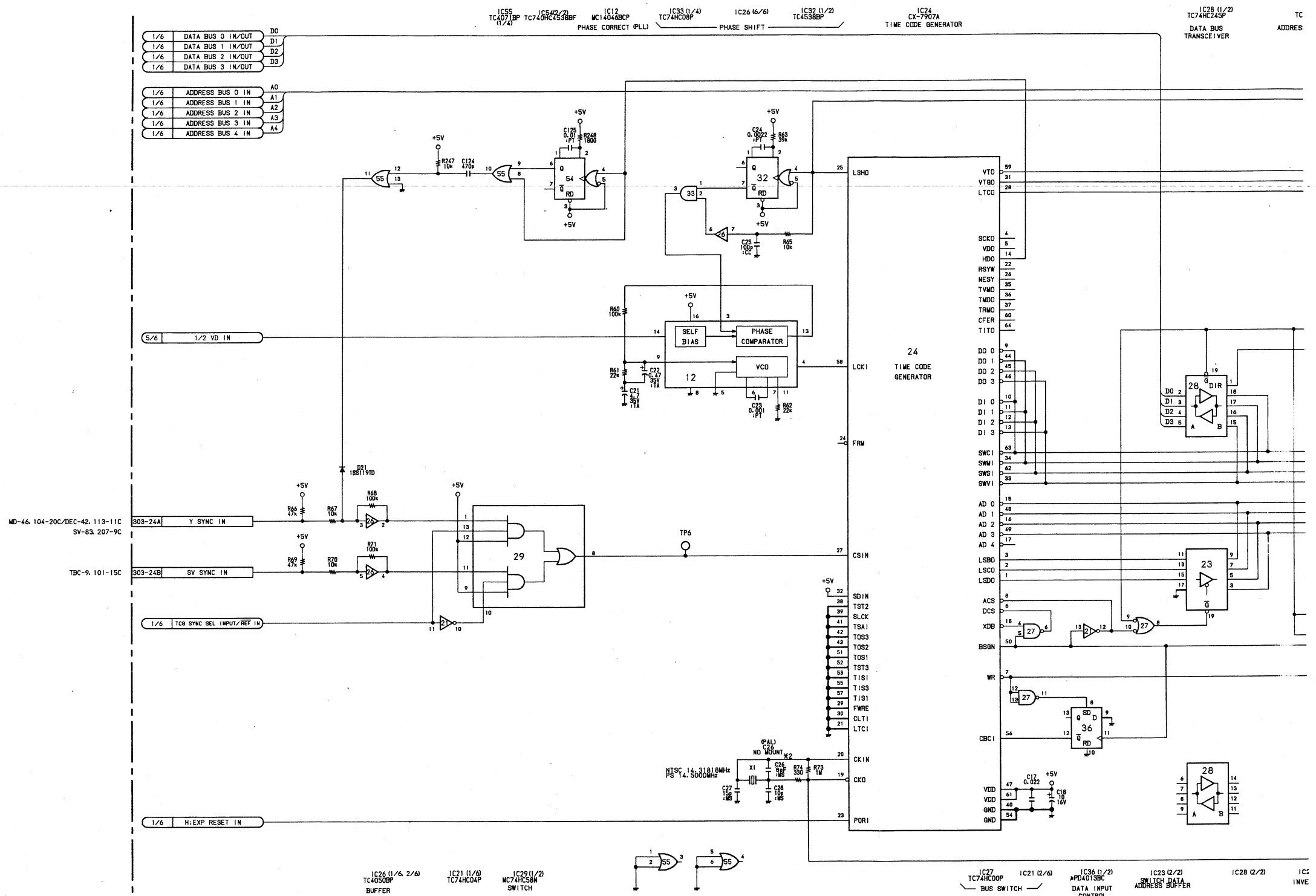


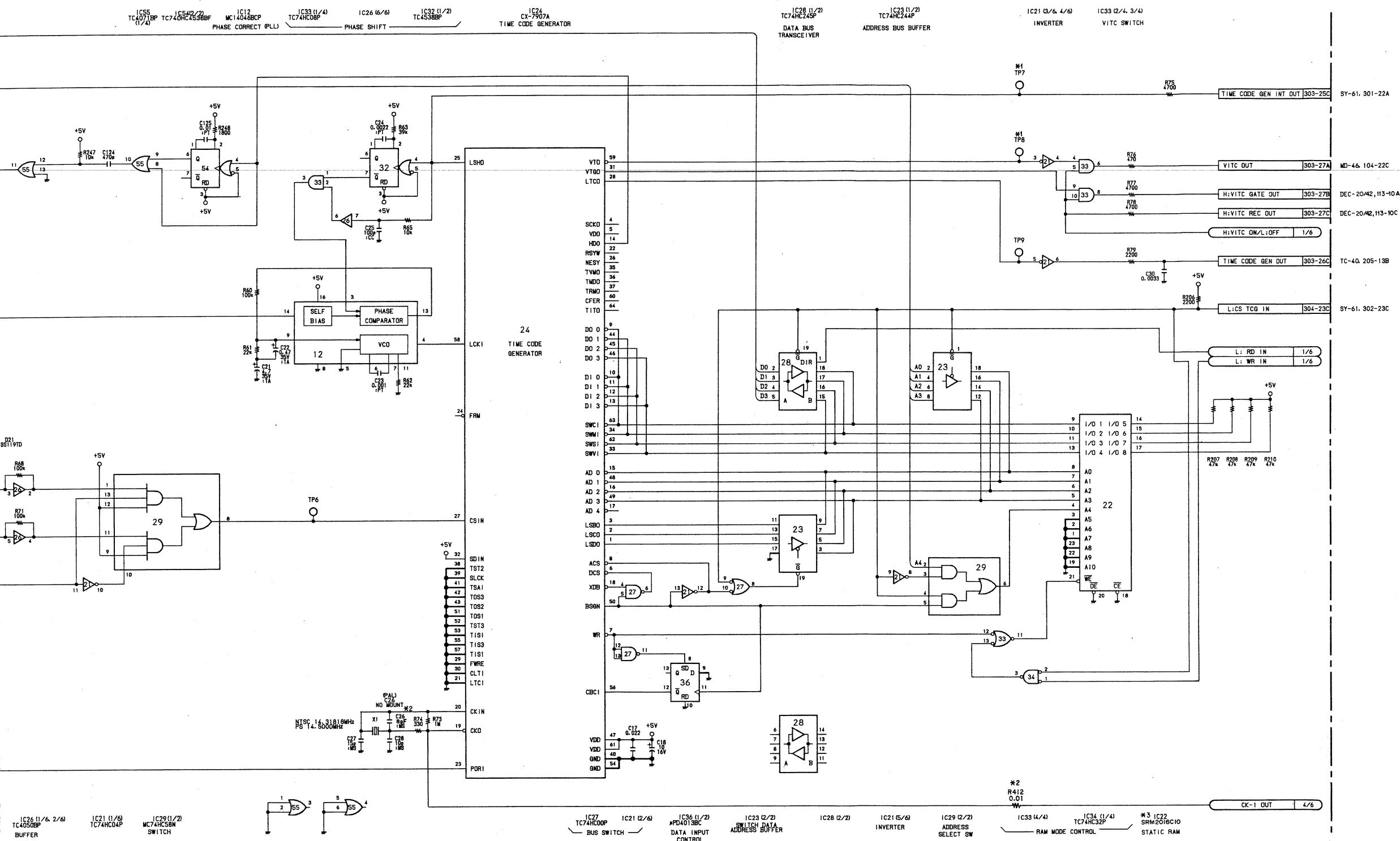


SY-64 (2/6) ; LTC/VITC GENERATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED TP7, TP8	UC; S/N 13410 ~ J; S/N 11403 ~
*2	C26 8.2pF → 8pF JR2 → R412 0.01	UC; S/N 15800 ~ J; S/N 12539 ~
*3	IC22 CXK5816PN-12L → SRM2016C10	UC; S/N 17653 ~ J; S/N 13769 ~



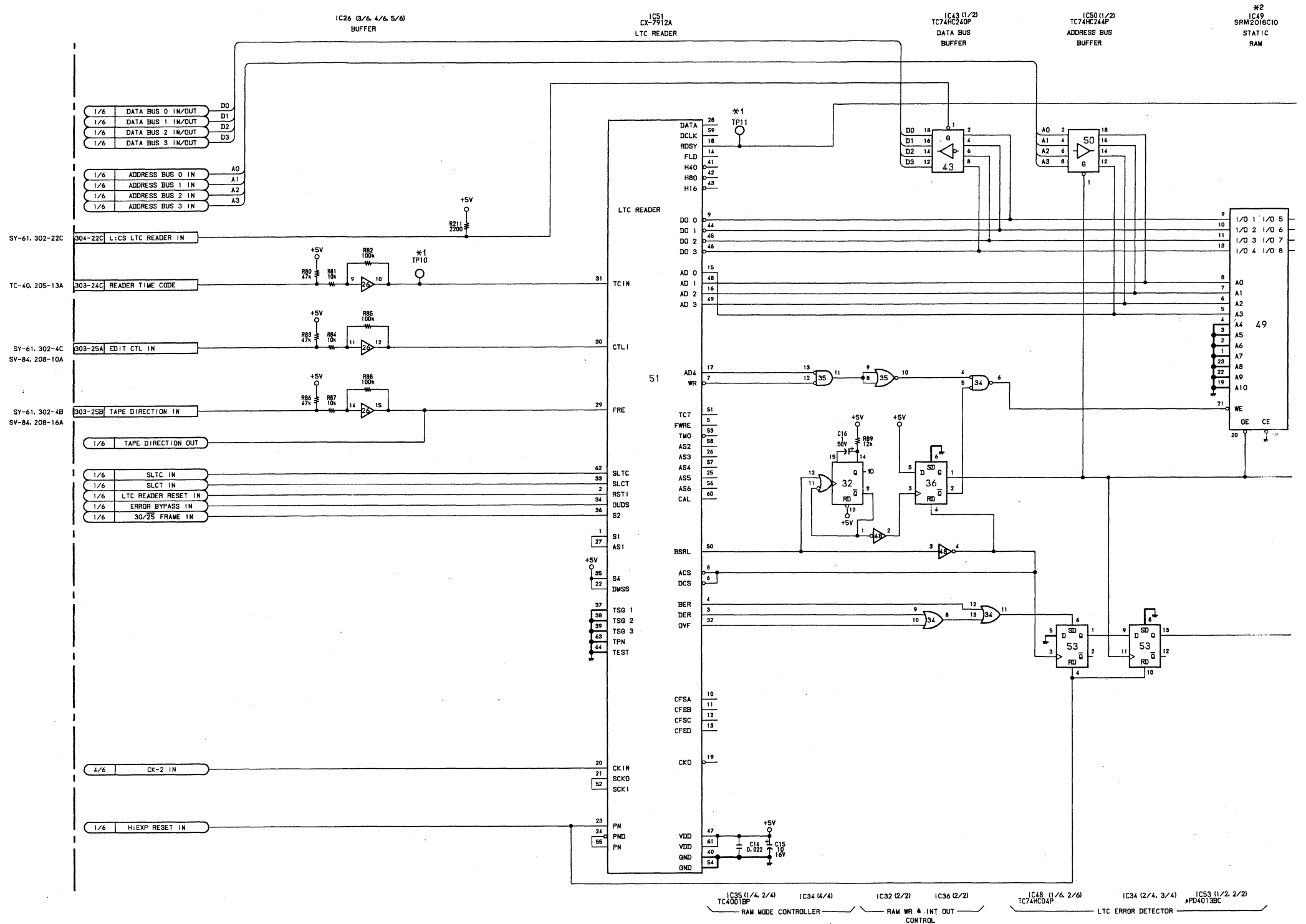


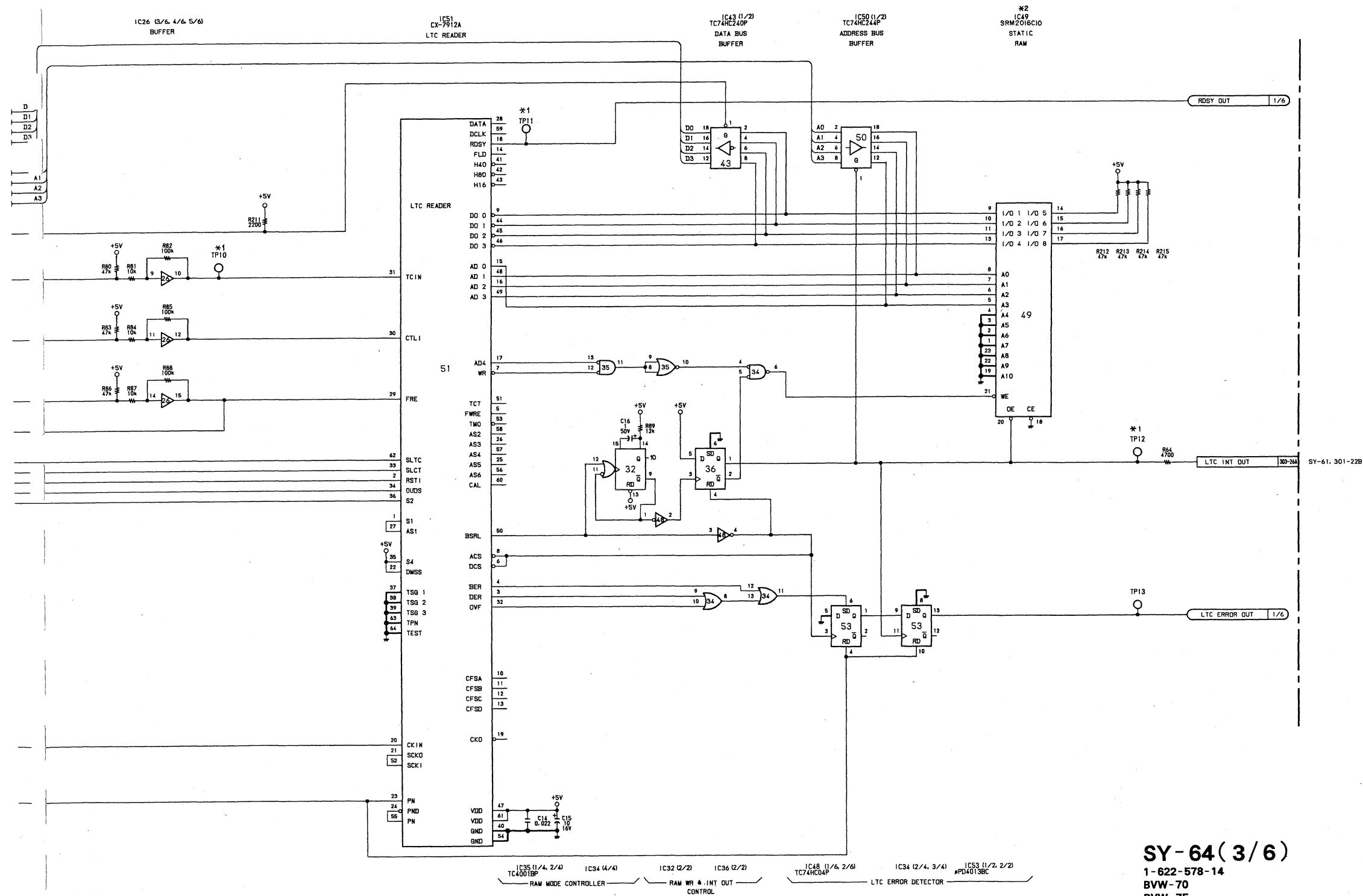
SY-64 (2/6)
1-622-578-14
BVW-70
BVW-75
BVW-96

SY-64 (3/6) ; LTC READER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED TP10, TP11, TP12	UC; S/N 13410 ~ J; S/N 11403 ~
*2	IC49 CXK5816PN-12L → SRM2016C10	UC; S/N 17653 ~ J; S/N 13769 ~





SY-64 (3/6)

1-622-578-14

BVW-70

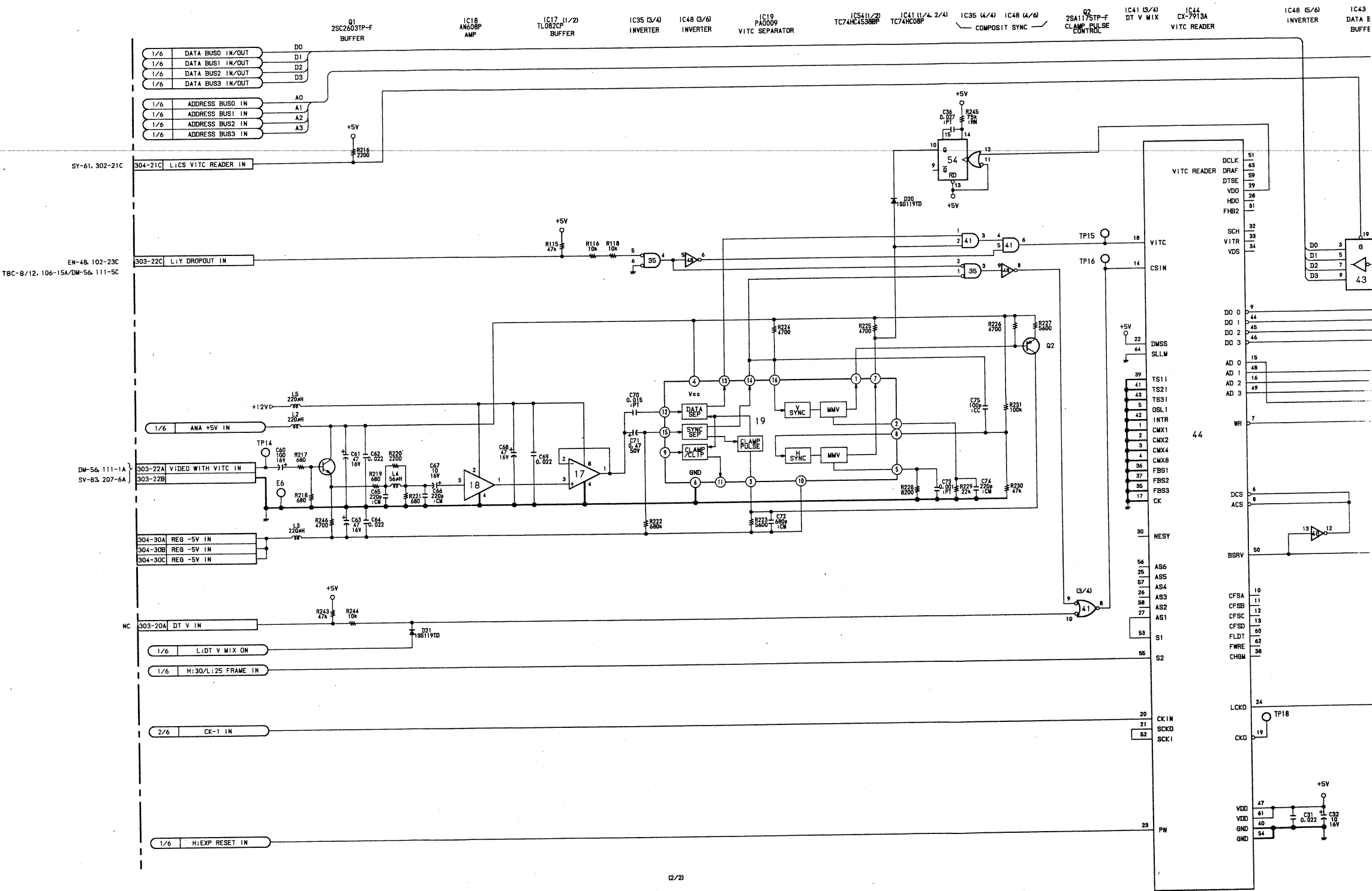
BVW-75

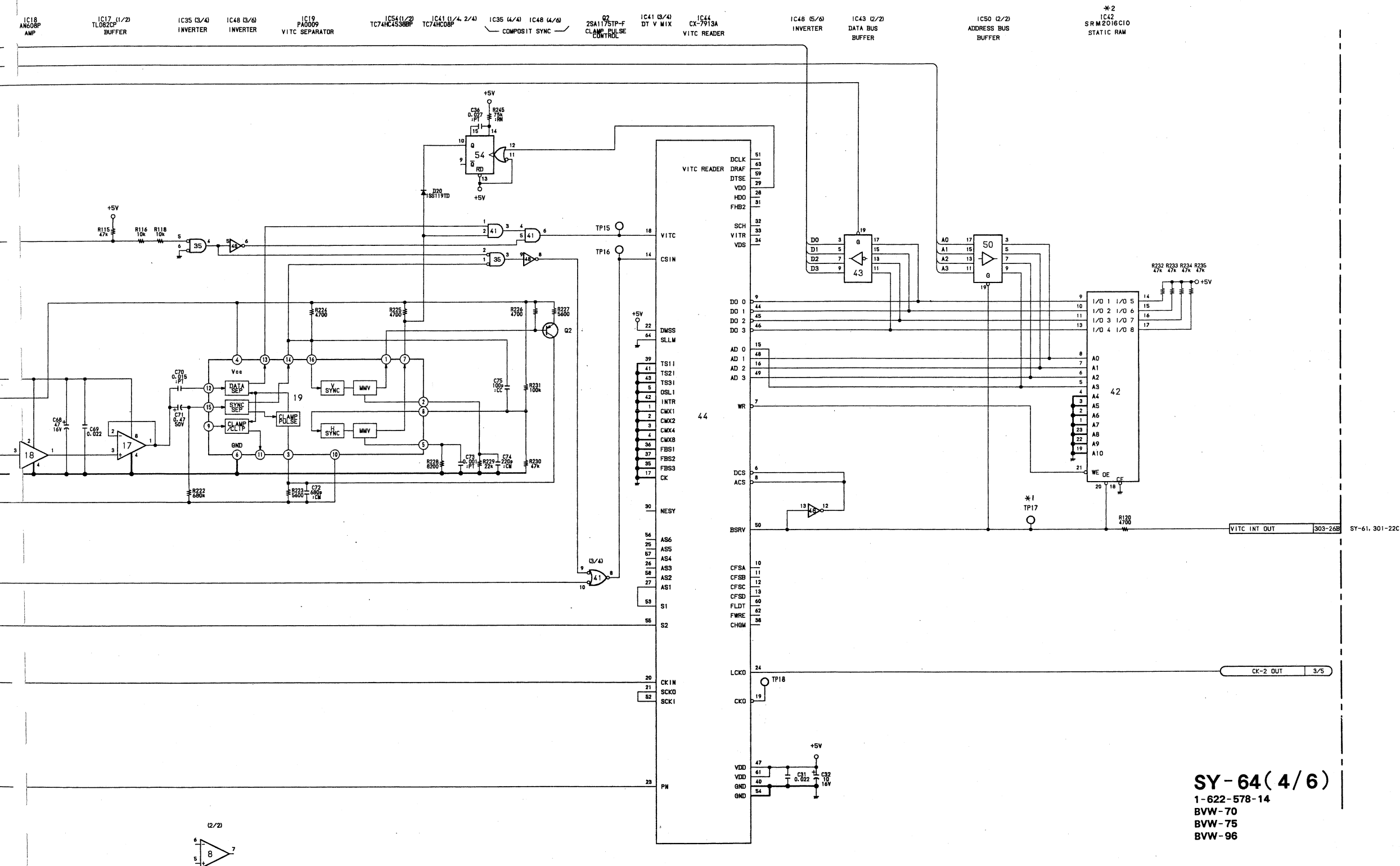
BVW-96

SY-64 (4/6) ; VITC READER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	TP17 DELETED	UC: S/N 13410 ~ J: S/N 11403 ~
*2	IC42 CXX5816PN-12L → SRM2016C10	UC: S/N 17653 ~ J: S/N 13769 ~

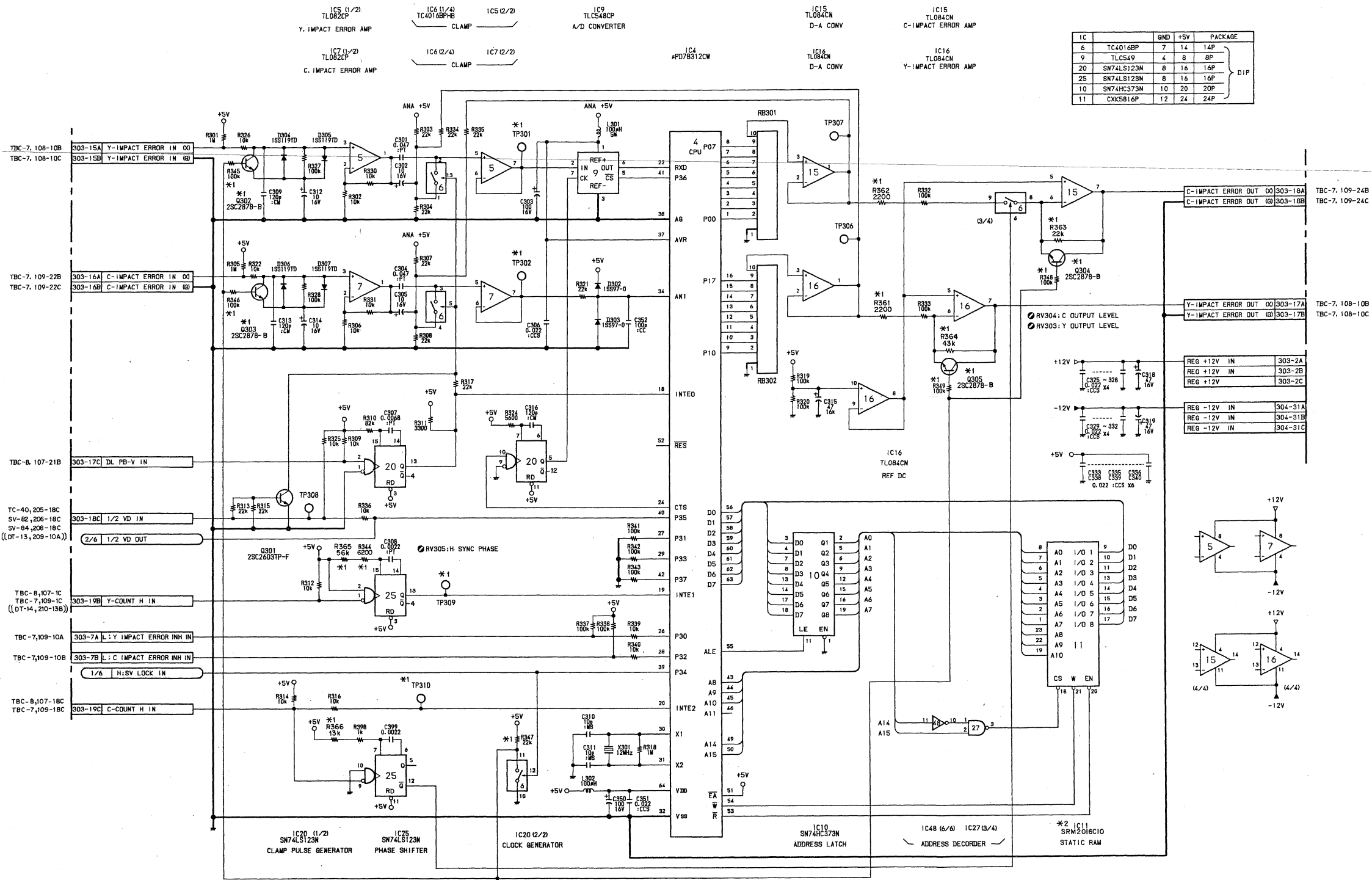




SY-64 (5/6); TIME BASE IMPACT ERROR CORRECTOR
SY-64 (6/6); SENSOR AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R344 1k → 6200 RV303 → R364 43k RV304 → R363 22k RV305 → R365 56k RV399 → R366 13k S302 → R362 2200 S301 → R361 2200 DELETED Q302, 303, 304, 305 R345, 346, 347, 348, 349 TP301, 302, 309, 310	UC; S/N 13411 ~ J; S/N 11404 ~
*2	IC11 CXK5816PN-12L → SRM2016C10	UC; S/N 17653 ~ J; S/N 13769 ~



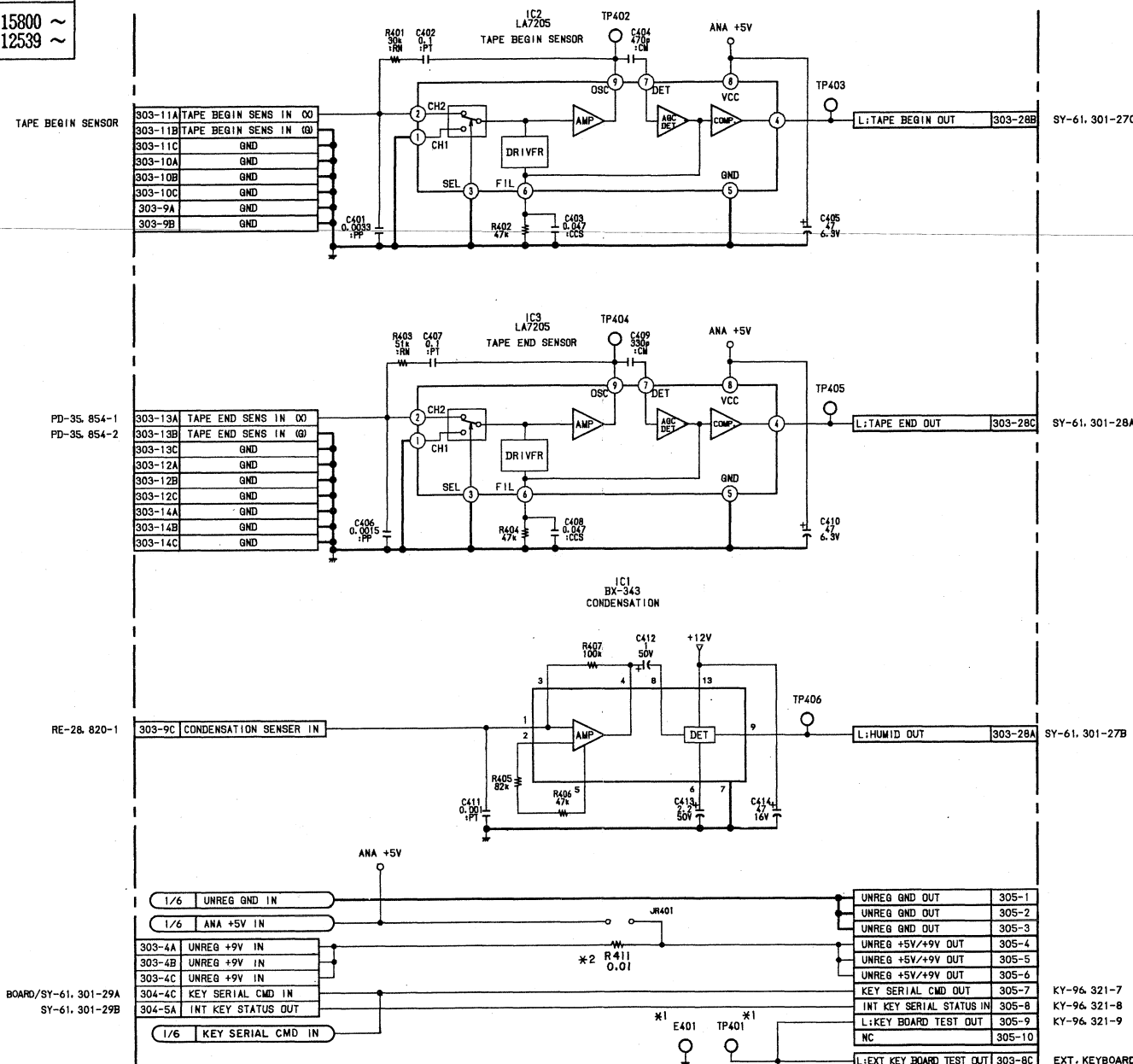
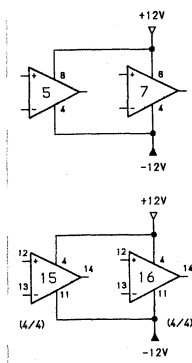
SY-64 (5/6)
1-622-578-14
BVW-70
BVW-75
BVW-96

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED E401, TP401	UC; S/N 13411 ~ J; S/N 11404 ~
*2	JR402 → R411 0.01	UC; S/N 15800 ~ J; S/N 12539 ~

D	+5V	PACKAGE
1	14P	DIP
2	8P	
3	16P	
4	20P	
5	24P	

C-IMPACT ERROR OUT (00) 303-18A	TBC-7, 109-24B
C-IMPACT ERROR OUT (00) 303-18B	TBC-7, 109-24C
Y-IMPACT ERROR OUT (00) 303-17A	TBC-7, 108-10B
Y-IMPACT ERROR OUT (00) 303-17B	TBC-7, 108-10C
REG +12V IN 303-2A	
REG +12V IN 303-2B	
REG +12V IN 303-2C	
REG -12V IN 304-31A	
REG -12V IN 304-31B	
REG -12V IN 304-31C	

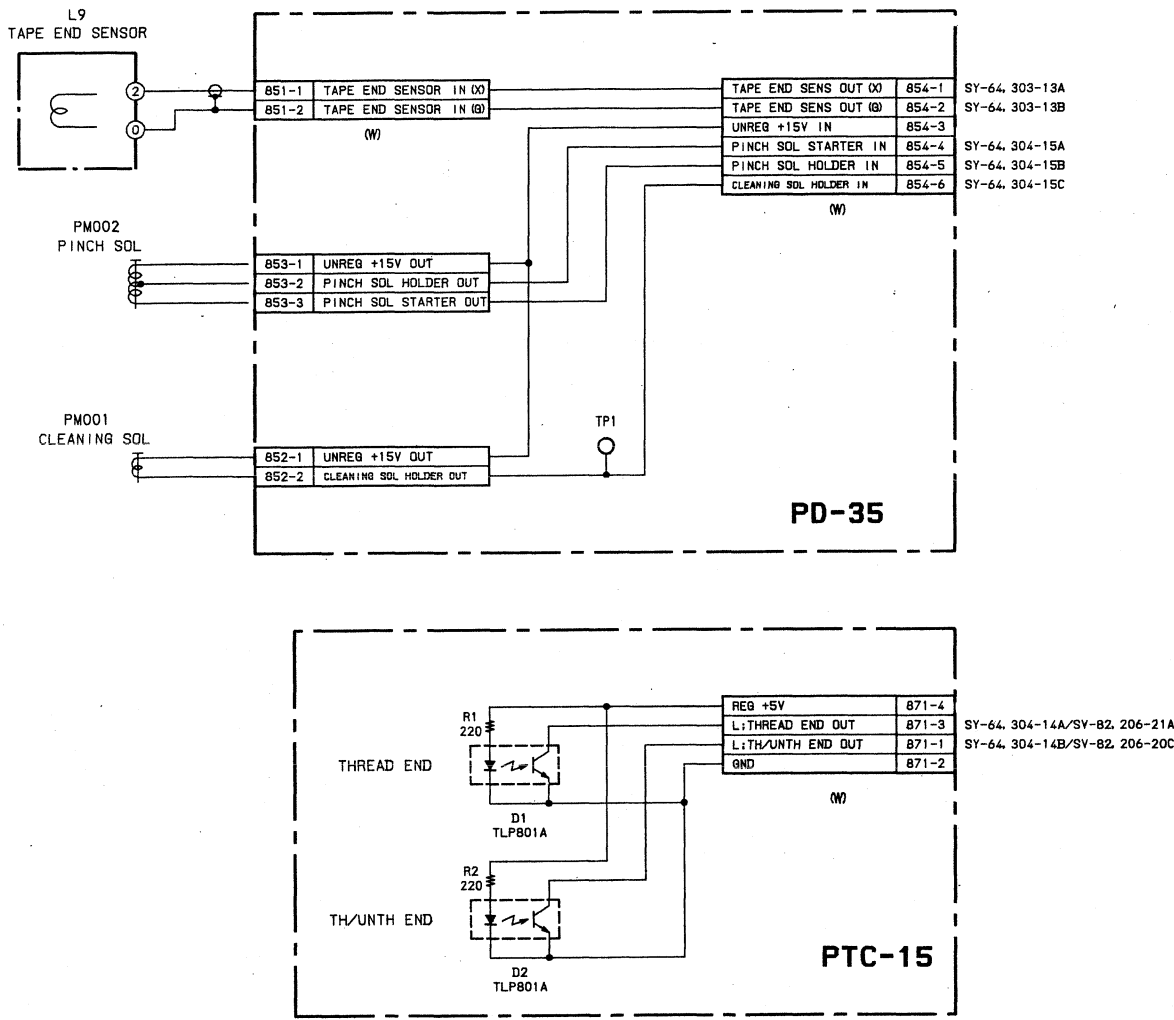


SY-64 (6/6)
1-622-578-14
BVW-70
BVW-75
BVW-96

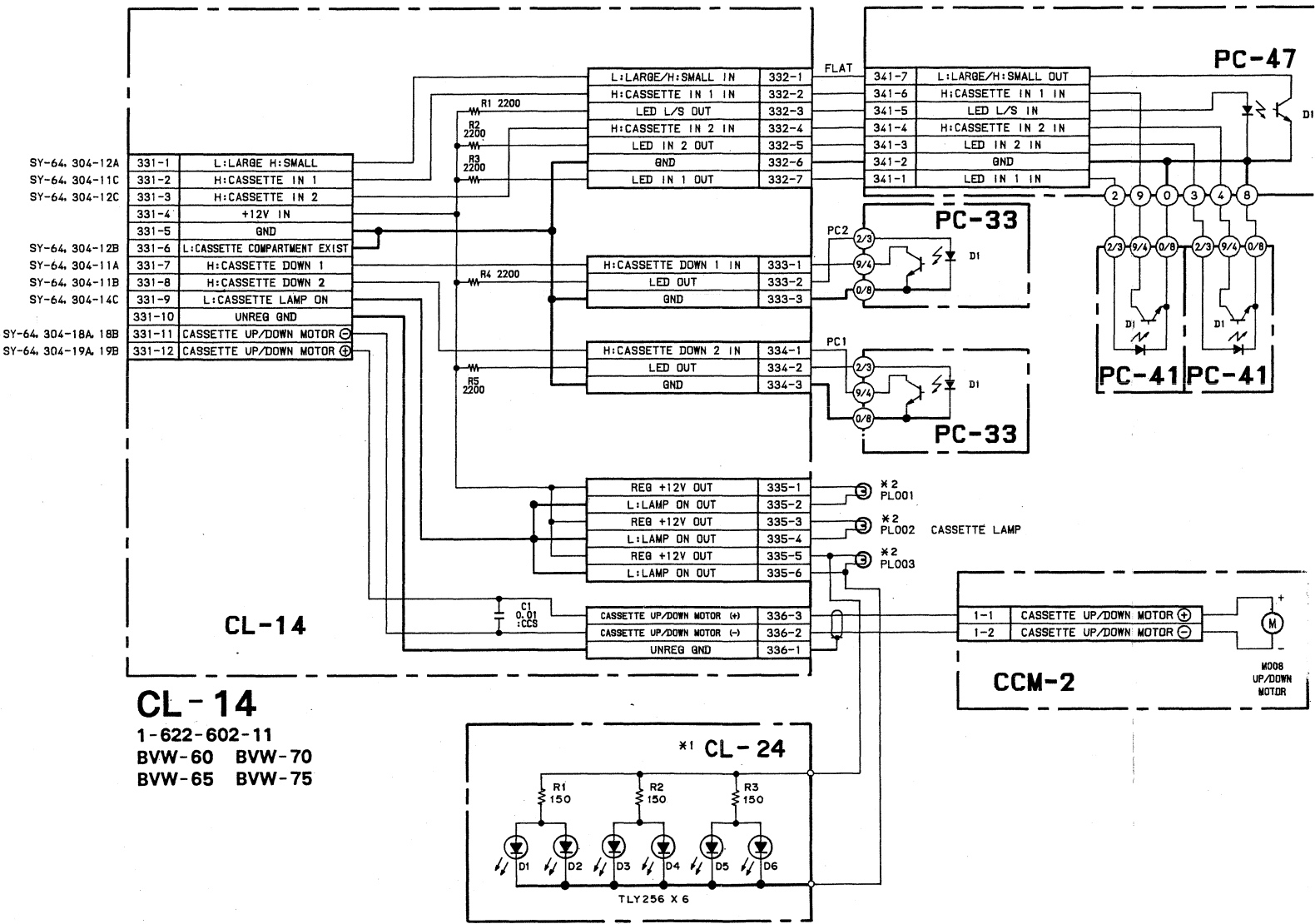
PD-35; PINCH/CLEANING SOLENOID
PTC-15; THREAD/UNTHREAD END SENSOR
CL-14; CASSETTE-UP COMPARTMENT
CL-24; CASSETTE-UP COMPARTMENT LED
PC-33; CASSETTE DOWN DETECTOR
PC-41; CASSETTE IN DETECTOR
PC-47; LARGE/SMALL CASSETTE DETECTOR
CCM-2; UP/DOWN MOTOR
HC-11; HOURS METER

NOTE

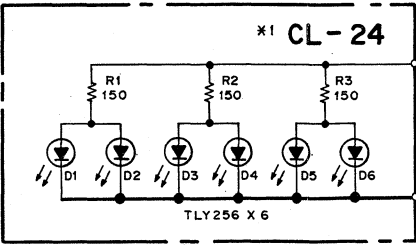
MARK	CHANGE INFORMATION	SERIAL NO.
*1	CL-24 BOARD ADDED	UC; S/N 15552 ~ J; S/N 12319 ~



PD-35
1-622-596-11
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

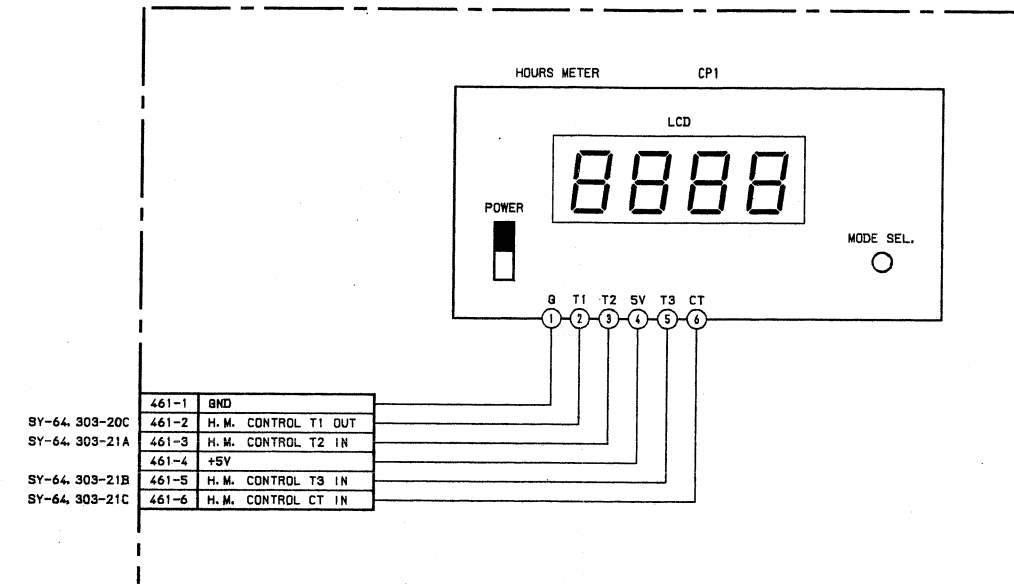
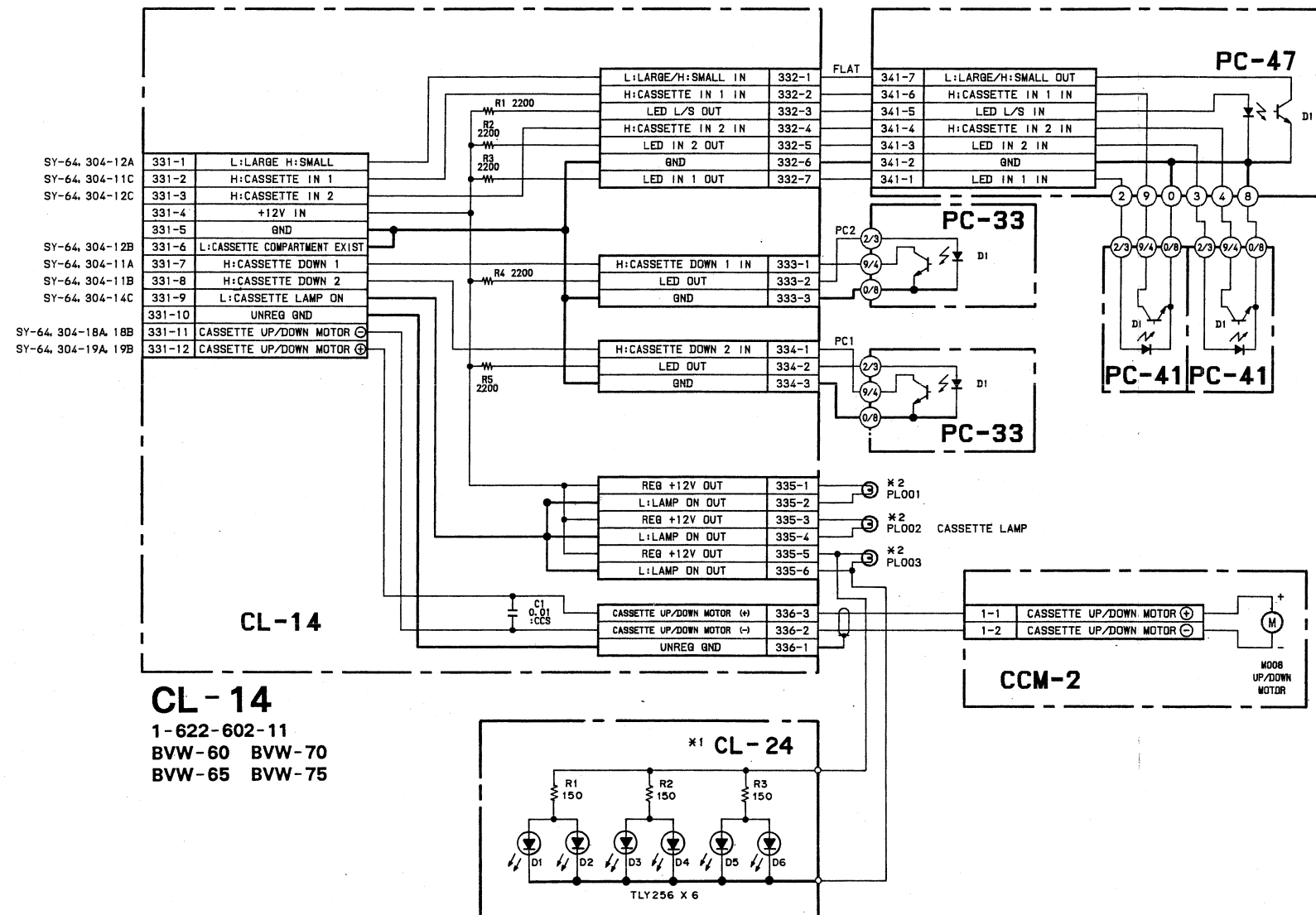


CL-14
1-622-602-11
BVW-60 BVW-70
BVW-65 BVW-75



NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	CL-24 BOARD ADDED	UC; S/N 15552 ~ J; S/N 12319 ~

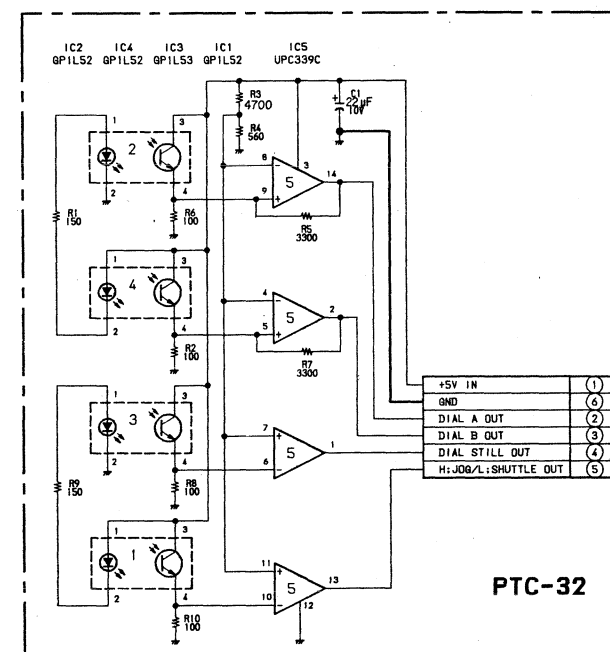


HC-11
1-622-595-11
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

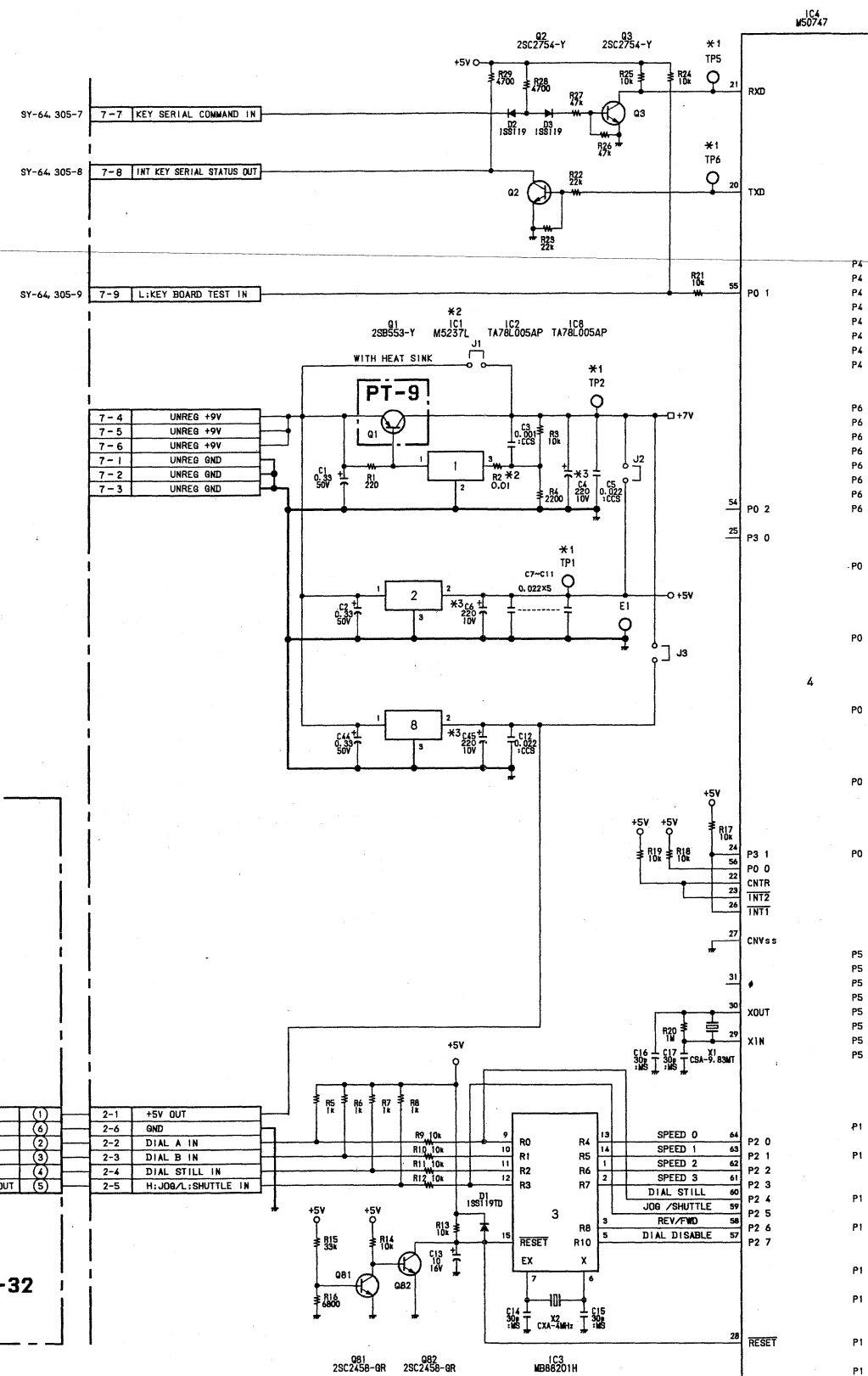
KY-96; KEYBOARD
 KY-107; KEYBOARD
 KY-108; KEYBOARD
 DP-71; TIME COUNTER DISPLAY
 PT-9; POWER TRANSISTOR
 PTC-32; SERCH DIAL

NOTE

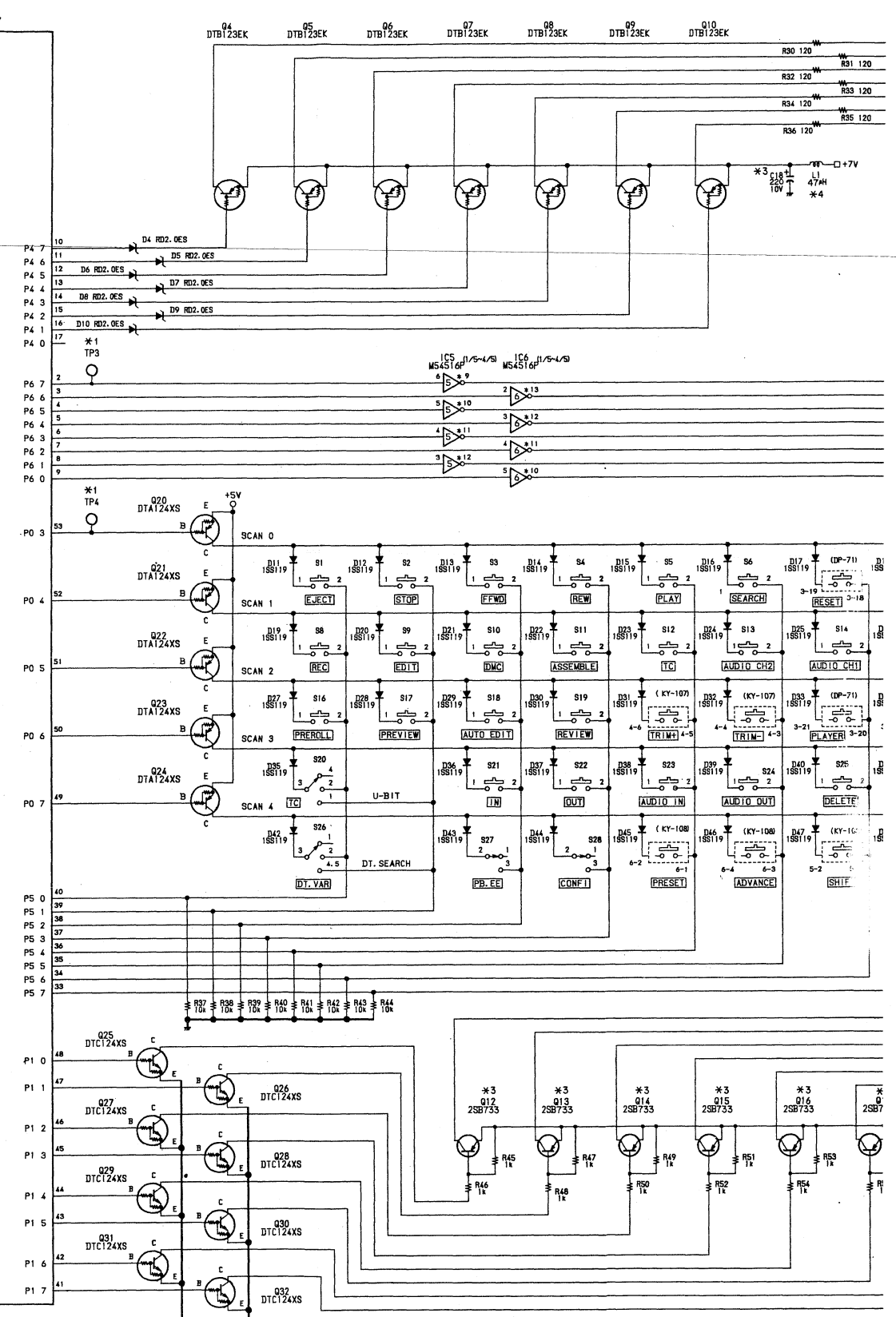
MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED TP1,2,3,4,5,6	UC; S/N 13781 ~ J; S/N 11569 ~
*2	IC1 M5236L → M5237L R2 15k → 0.01	UC; S/N 15894 ~ J; S/N 12589 ~
*3	C4 470/10V → 220/10V C6 470/10V → 220/10V C18 470/10V → 220/10V C19 470/10V → 220/10V C45 470/10V → 220/10V Q12 ~ Q19 2SB822-R → 2SB733	UC; S/N 16325 ~ J; S/N 12754 ~
*4	L1.2 470 μH → 47 μH	UC; S/N 17065 ~ J; S/N 13244 ~



16-429



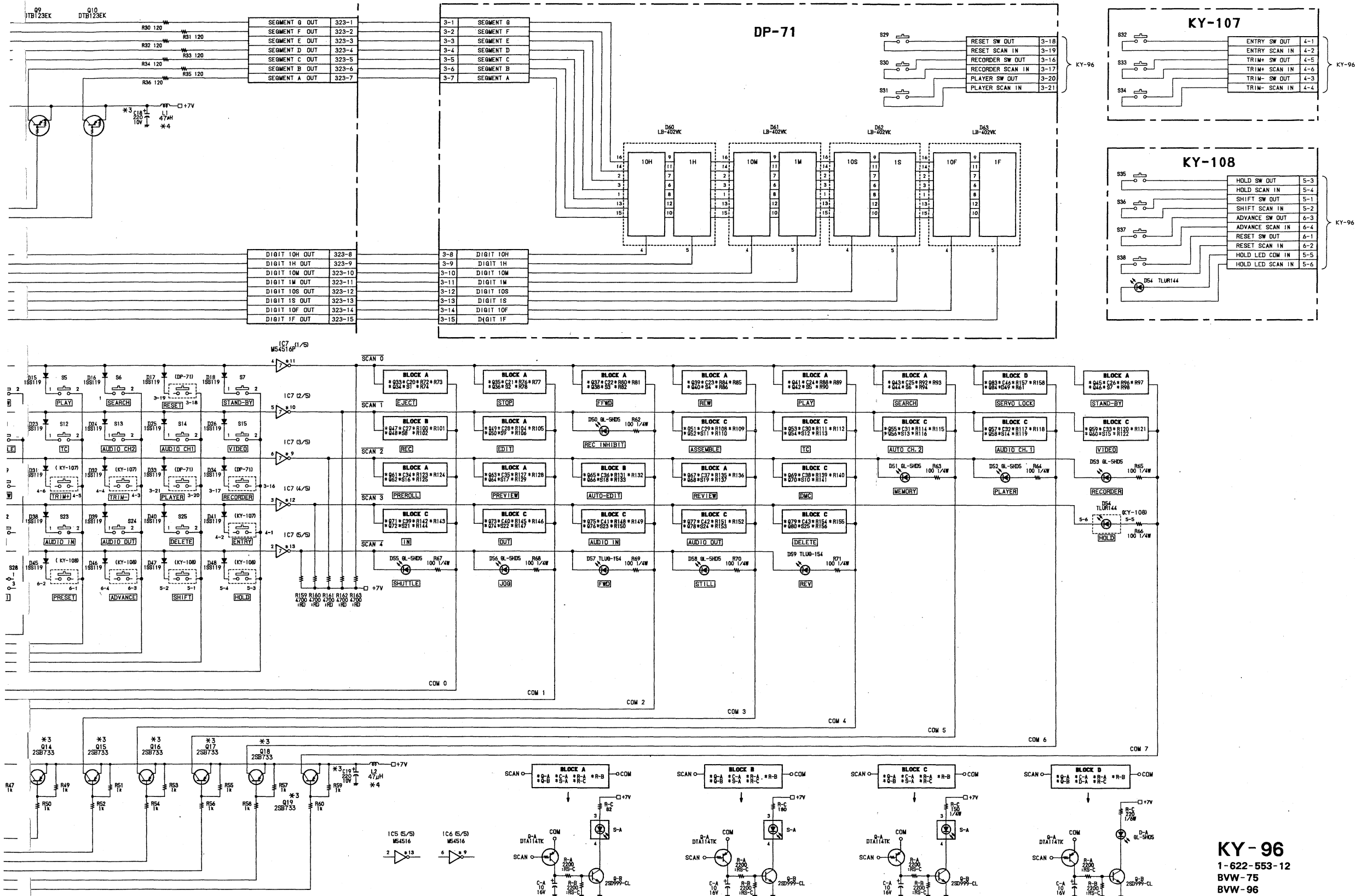
D



16-430

G

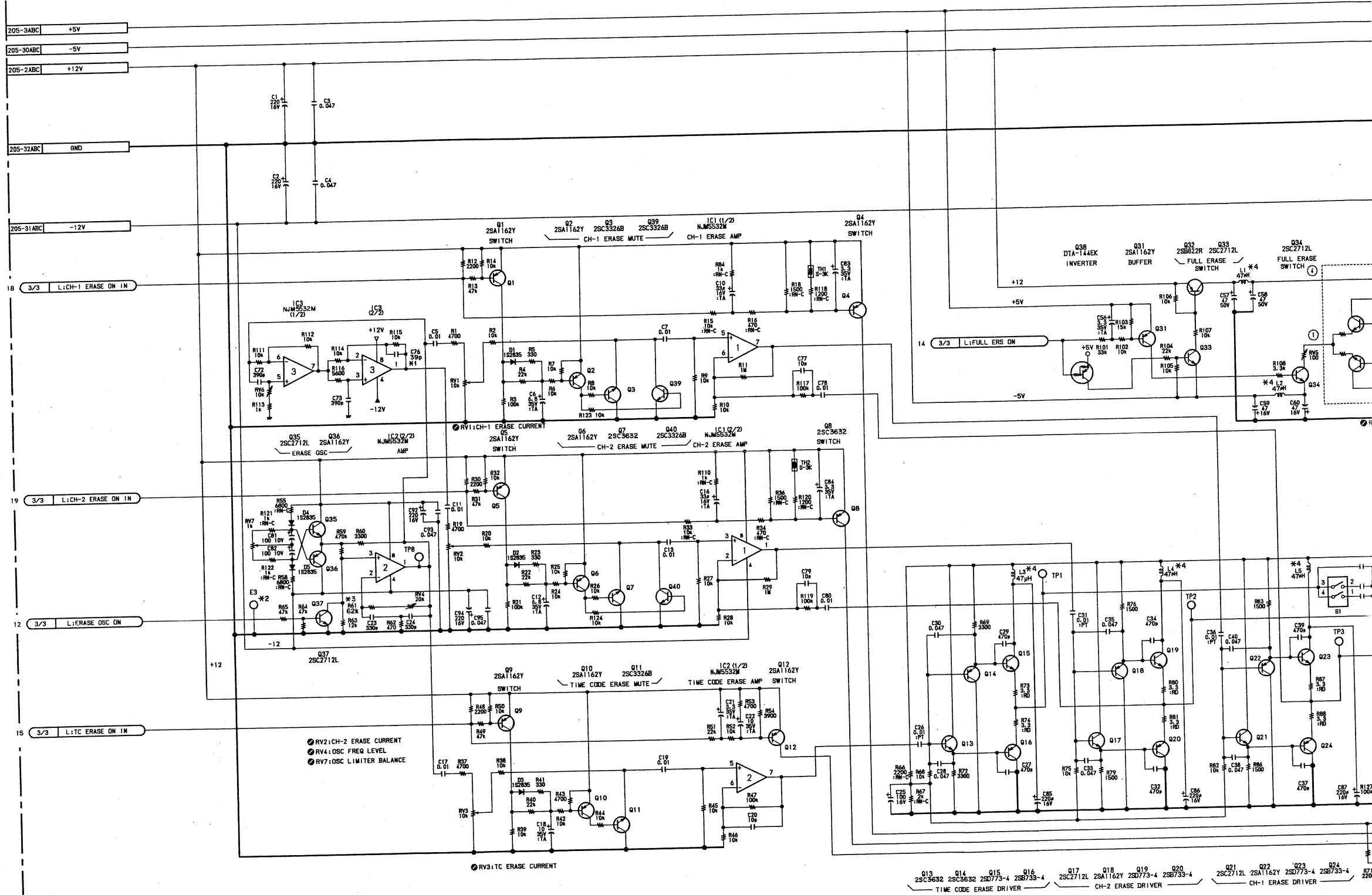
H

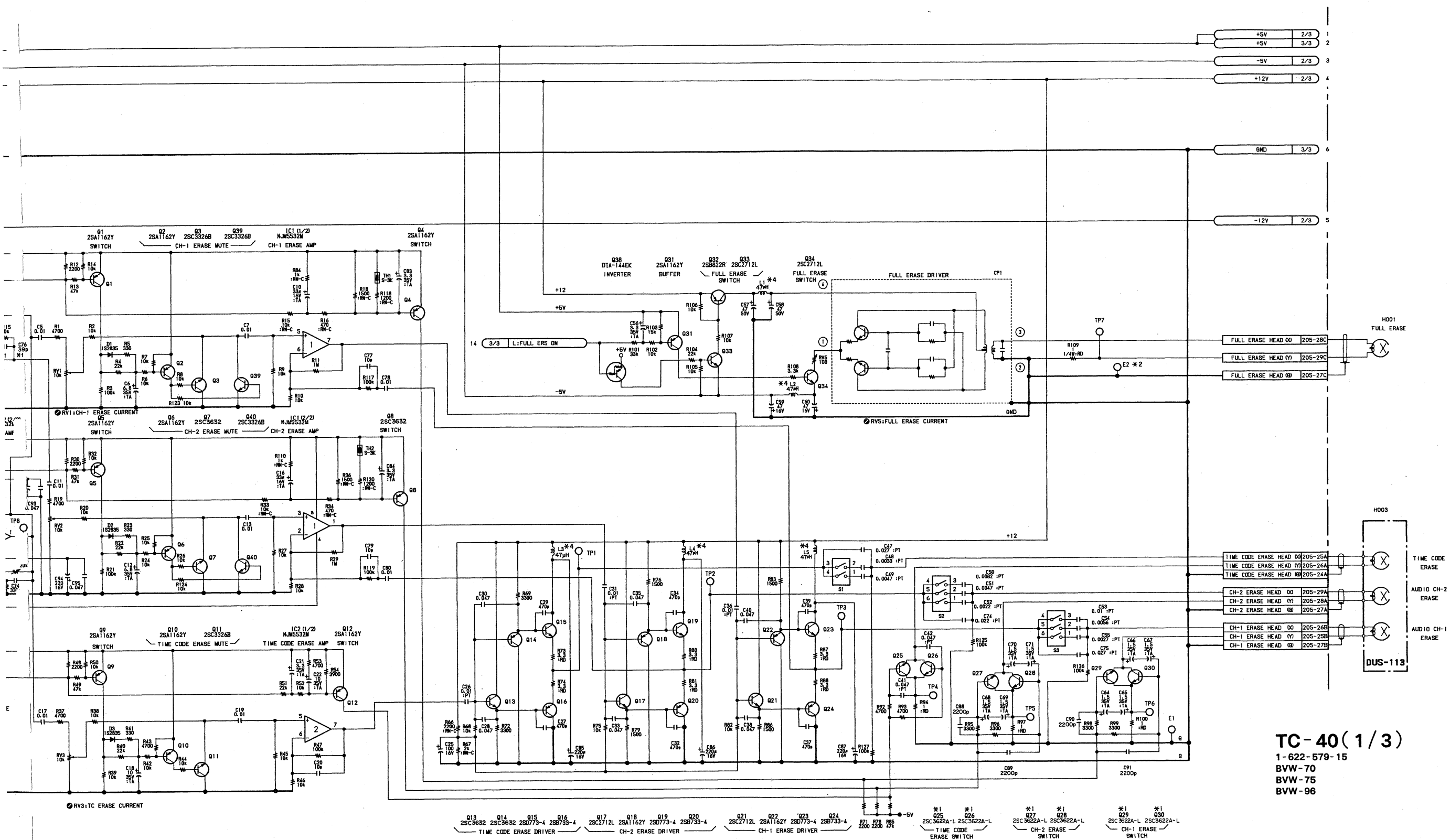


TC-40 (1/3) ; FULL ERASE OSCILLATOR, CH-1/CH-2/LTC ERASE DRIVER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	Q25-30 2SC2878B → 2SC3622A-L	UC: S/N 13226 ~ J: S/N 11304 ~
*2	E2 DELETED E3 DELETED	UC: S/N 14369 ~ J: S/N 11669 ~
*3	R61 56k → 62k	UC: S/N 14822 ~ J: S/N 12029 ~
*4	L1,2,3,4,5 45μH → 47μH	UC: S/N 17118 ~ J: S/N 13389 ~



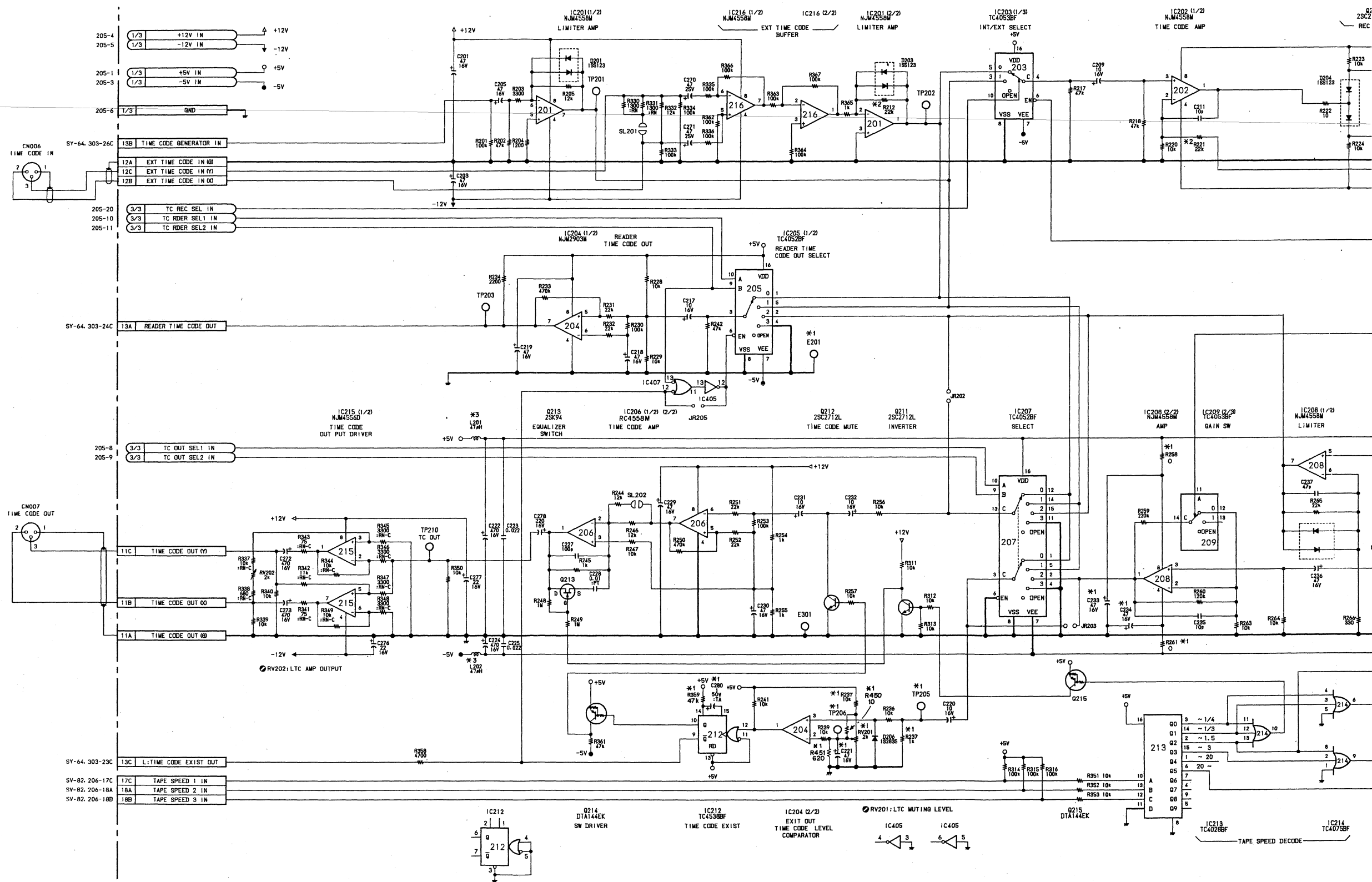


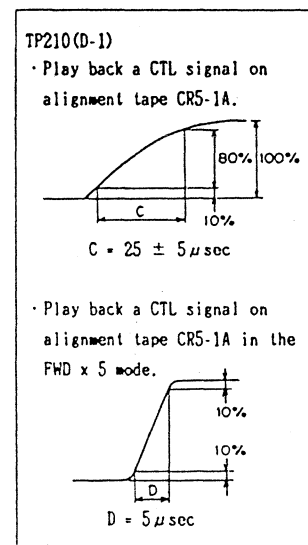
TC-40 (1/3)
1-622-579-15
BVW-70
BVW-75
BVW-96

TC-40 (2/3); LTC REC/PB AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	ADDED R450, R451 CHANGE C280 0.15/35V → 1/50V R238 → R237 R359 330k → 47k R258, R261, R269 R270, R271, R272 330 → 0 DELETED PARTS C221, C233, C234 C239, C240, C241 C242, R237, E201 TP205, TP206, RV201	UC: S/N 14369 ~ J: S/N 11669 ~
*2	R212 3900 → 22k R221 270k → 22k R227 4300 → 510	UC: S/N 16275 ~ J: S/N 12689 ~
*3	L201, 202 45μH → 47μH	UC: S/N 17118 ~ J: S/N 13389 ~

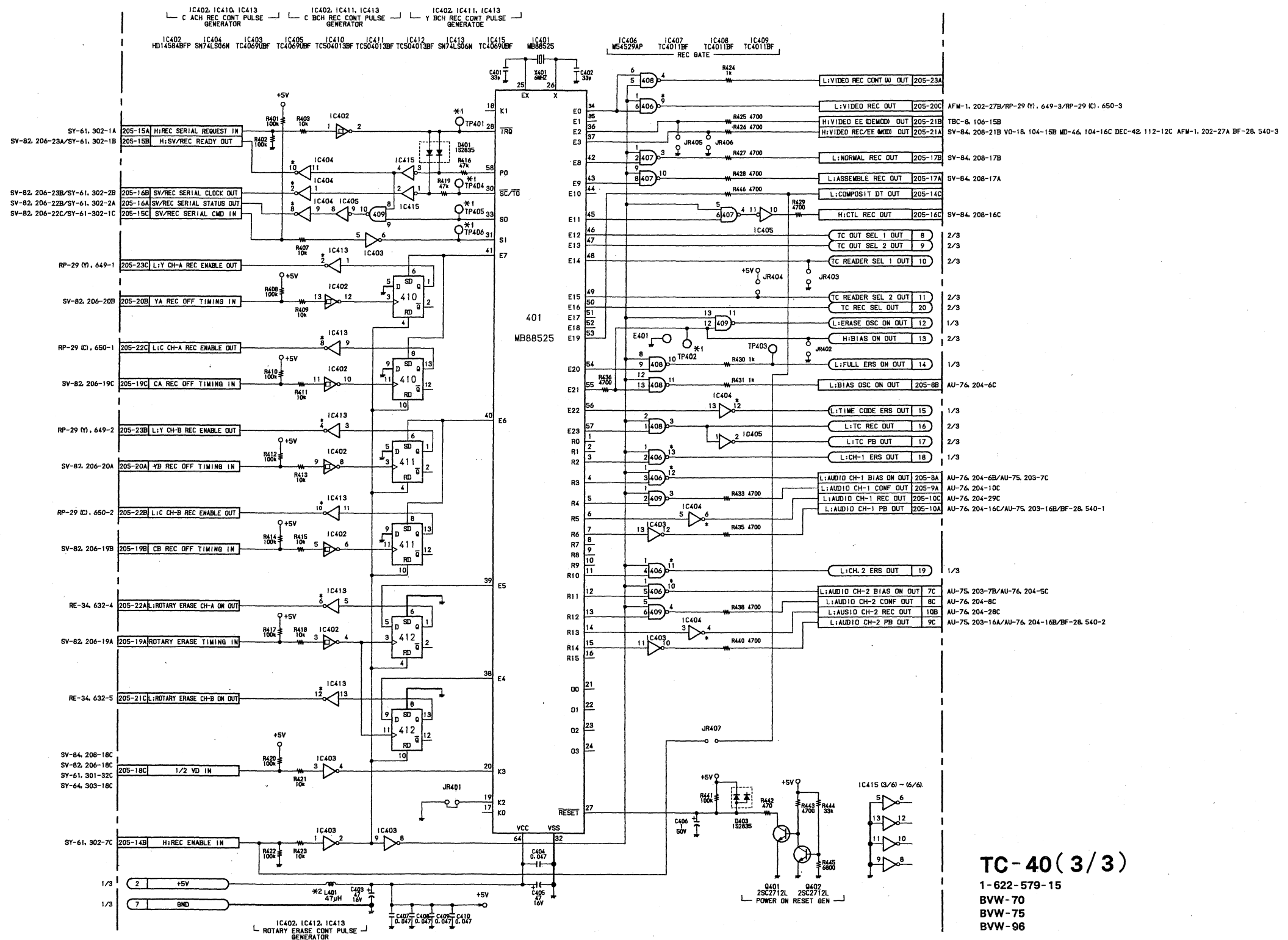




TC-40 (3/3) ; TIMING GENERATOR

NOTE

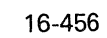
MARK	CHANGE INFORMATION	SERIAL NO.
*1	DELETED PARTS TP401, TP402, TP404, TP405, TP406	UC: S/N 14369 ~ J: S/N 11669 ~
*2	L401 45μH → 47μH	UC: S/N 17118 ~ J: S/N 13389 ~



TC-40(3/3)

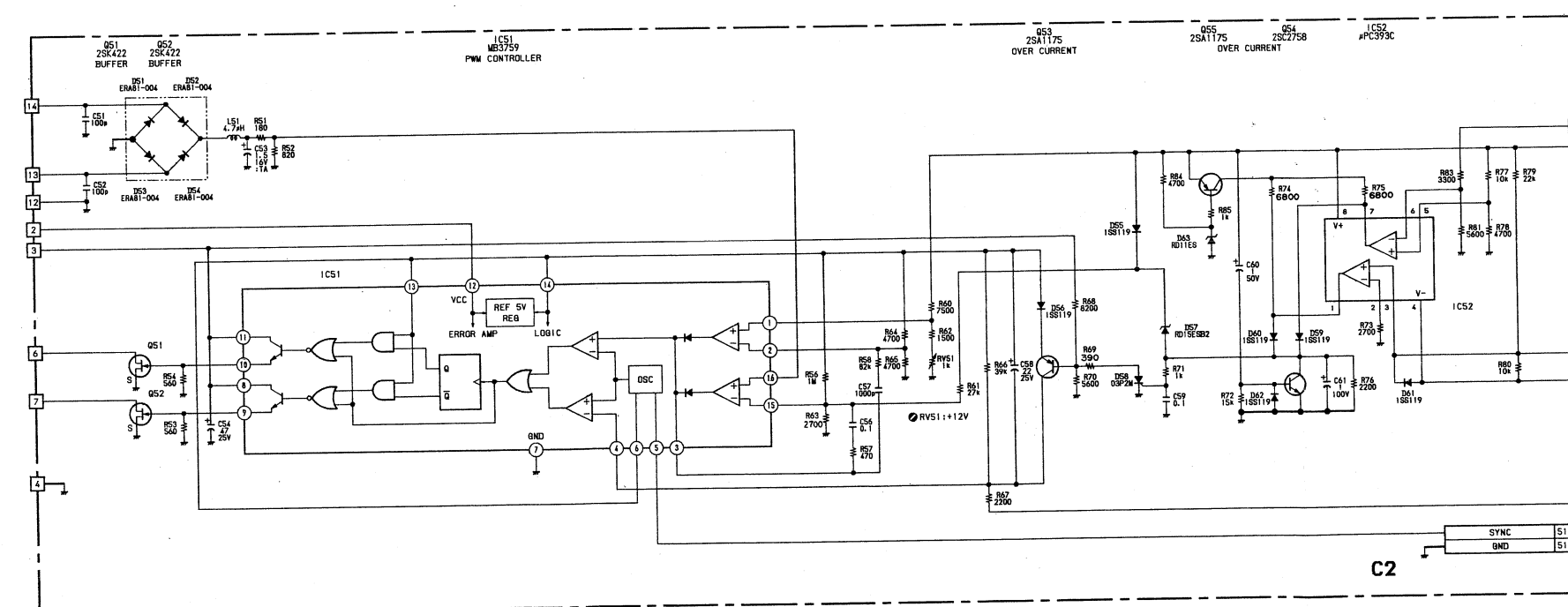
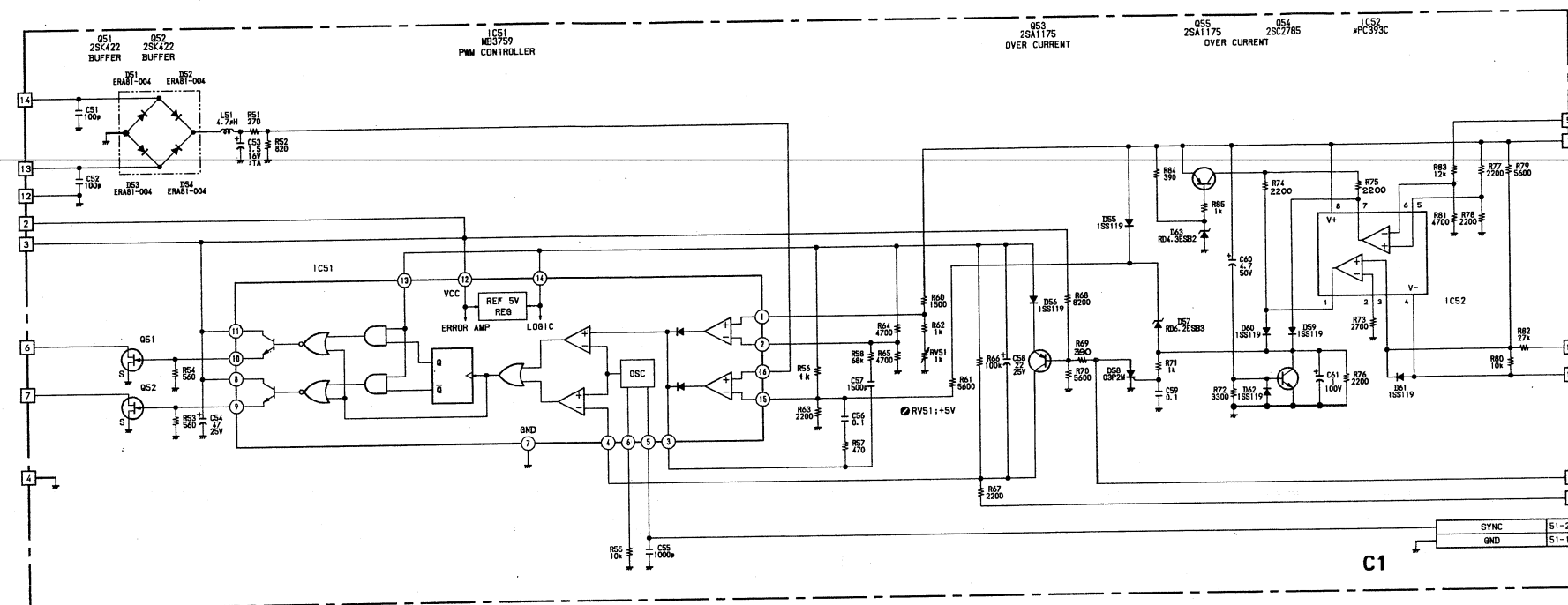
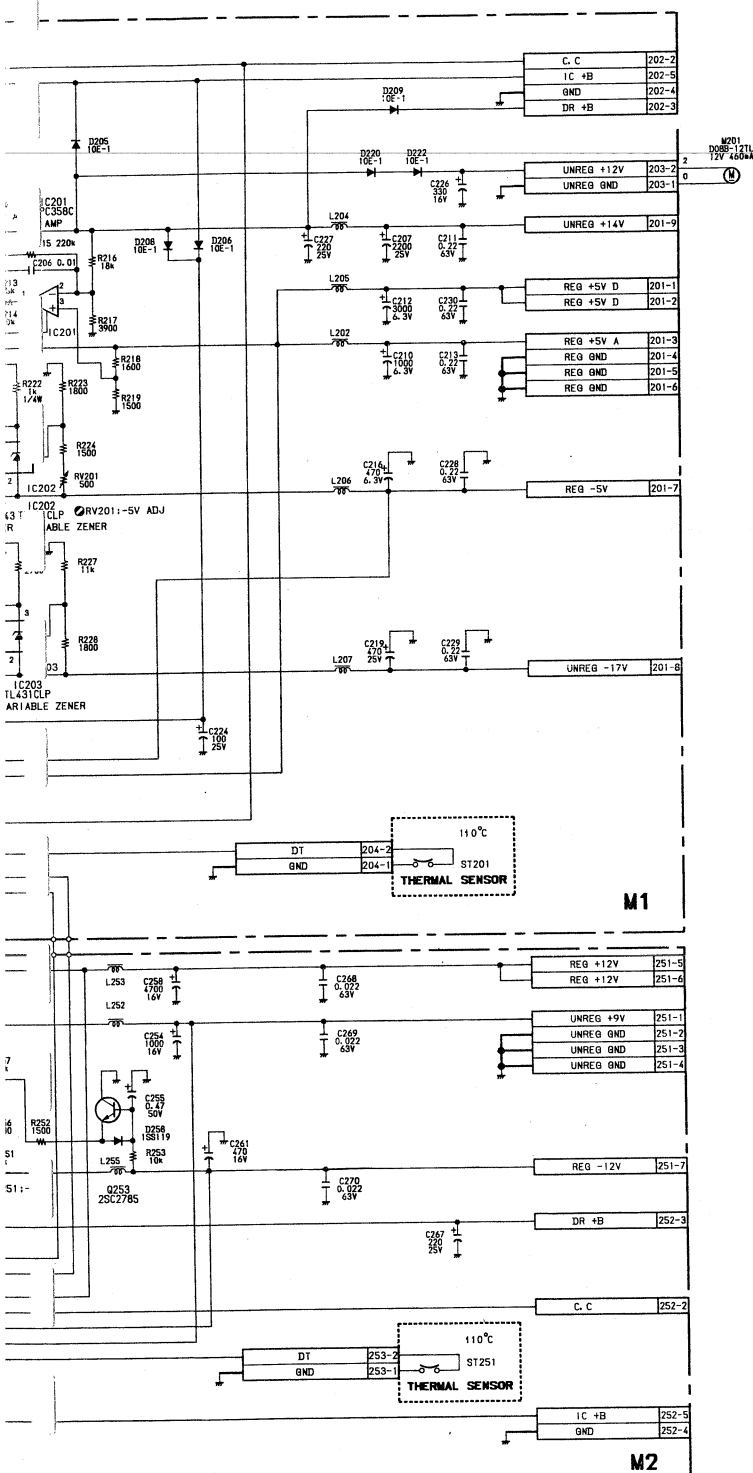
1-622-579-15
BVW-70
BVW-75
BVW-96

16-455



NOTE:

The shaded and Δ -marked components are critical to safety.
Replace only with same components as specified.



UR-21B

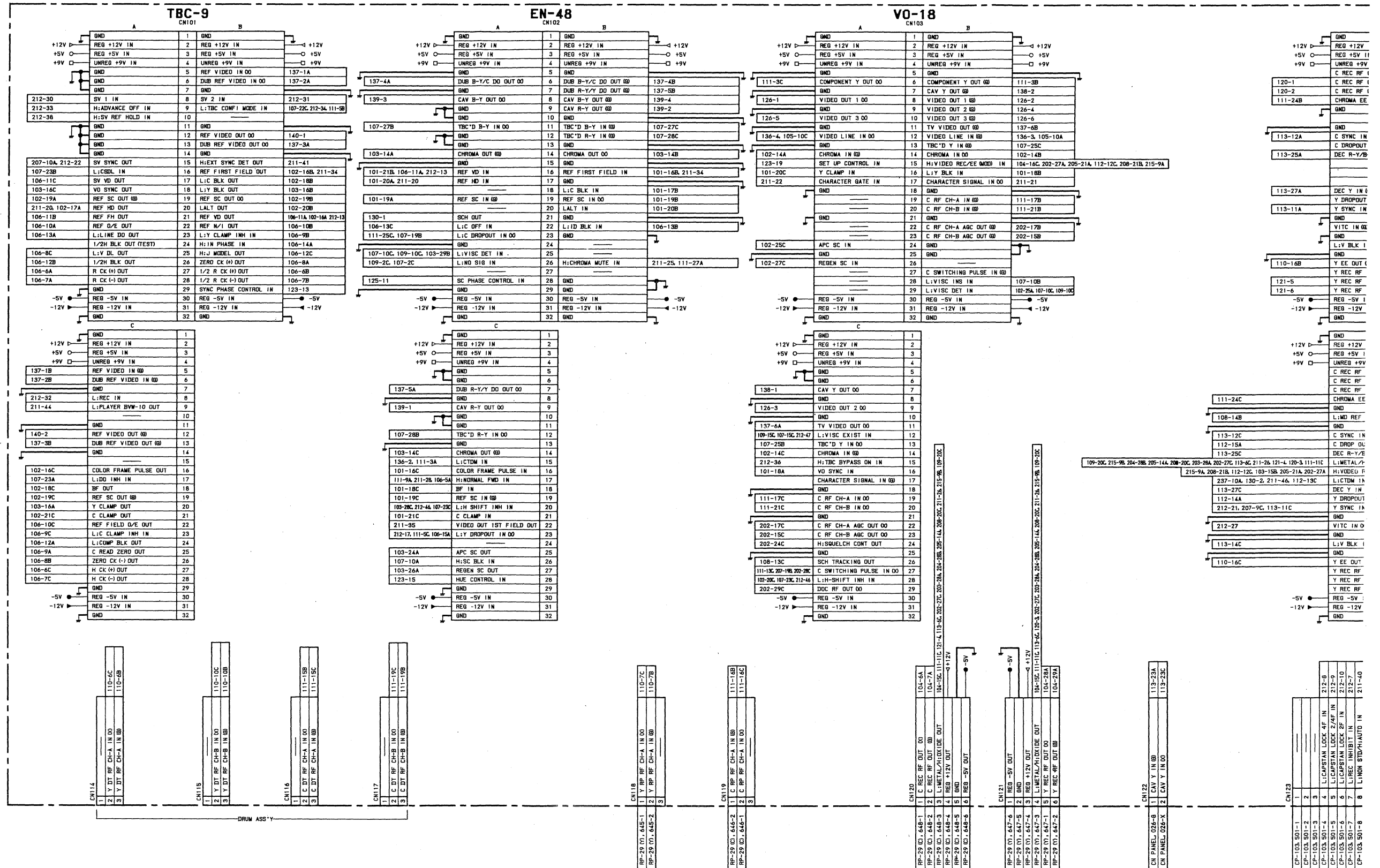
1-413-307-24

BVW-60 BVW-70

BVW-65 BVW-75

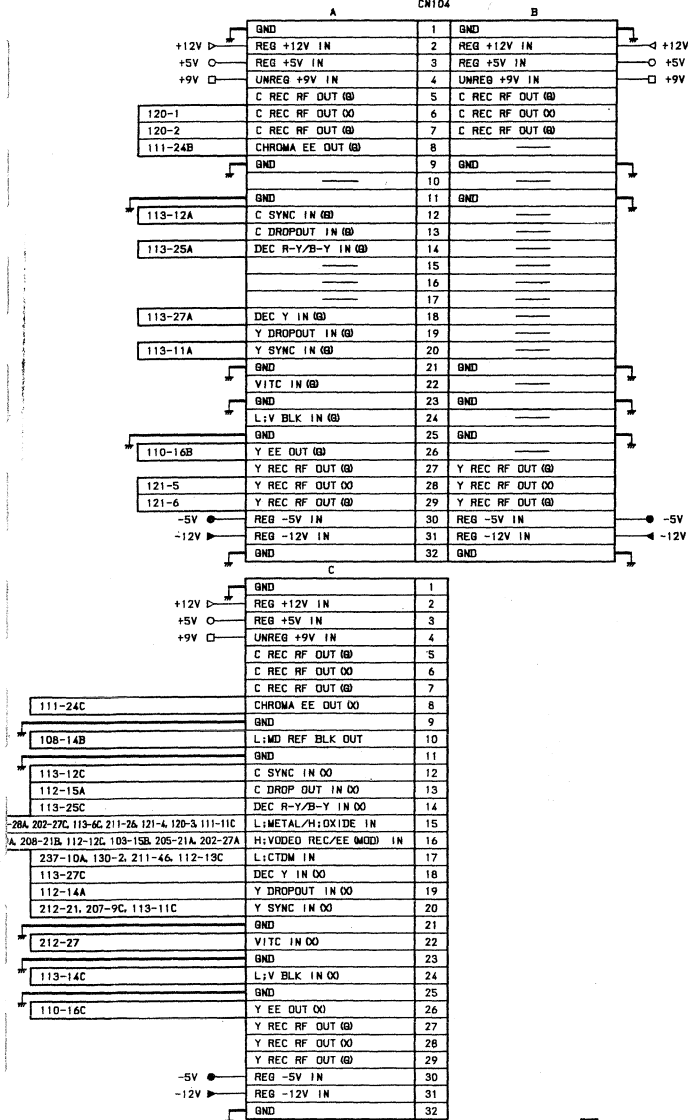
BVW-95 BVW-96

MB-116 (1/4); MOTHER BOARD



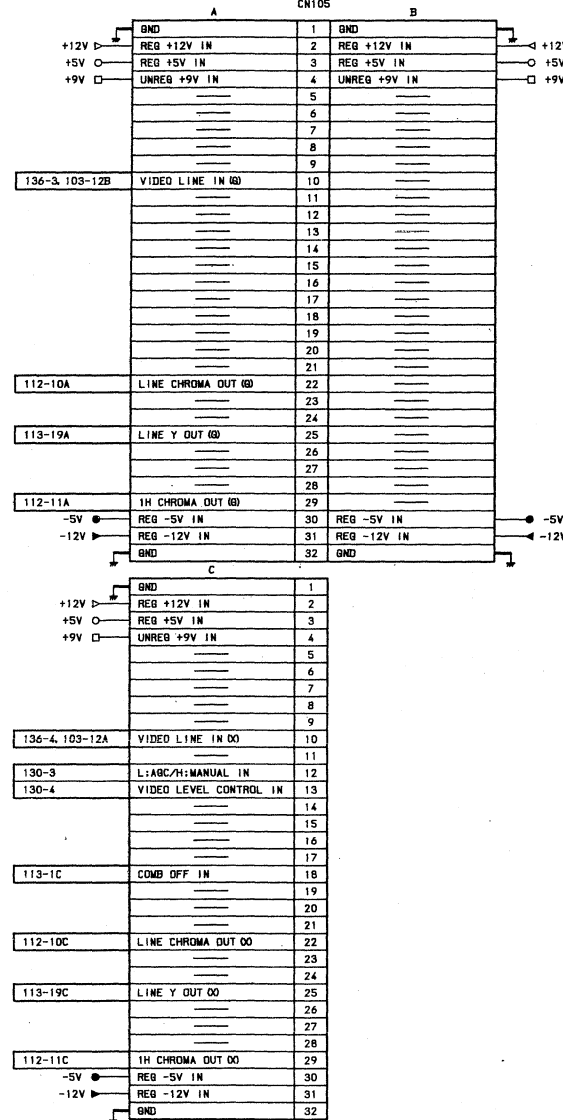
MD-46

CN104



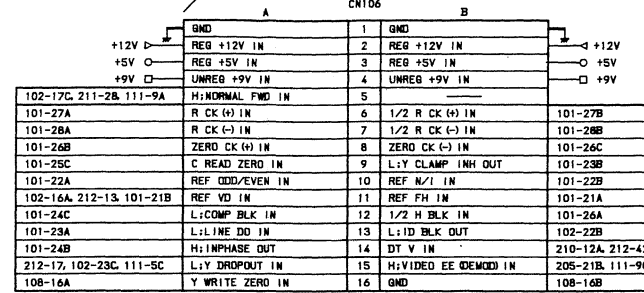
DEC-27

CN105

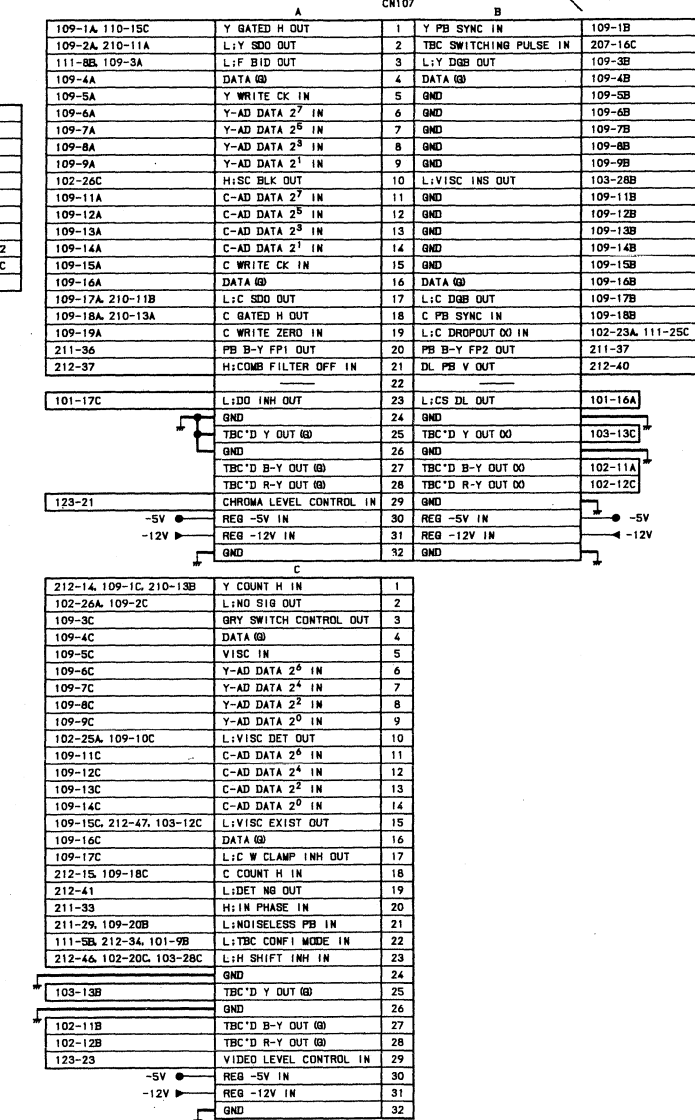


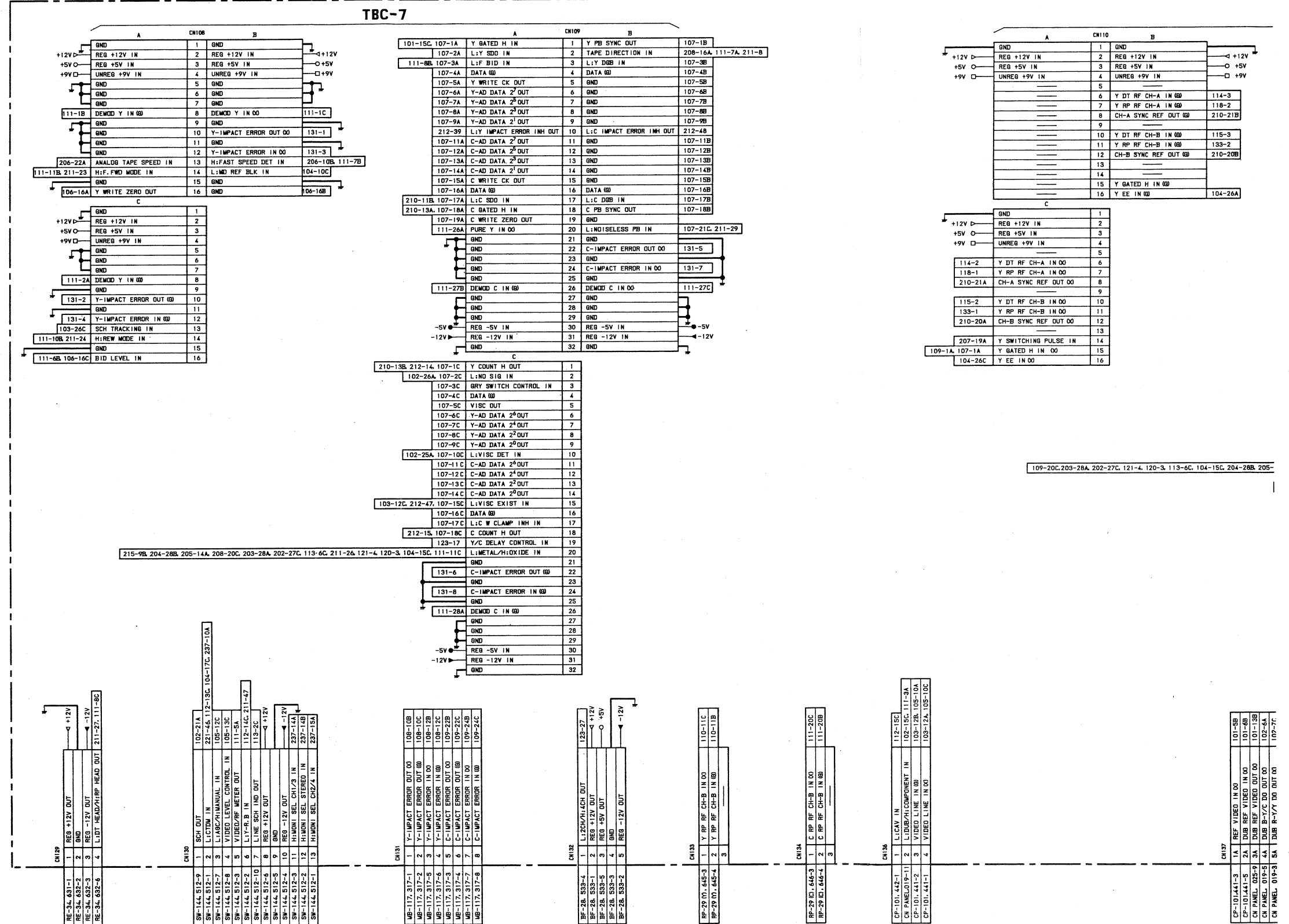
TBC-8

CN106

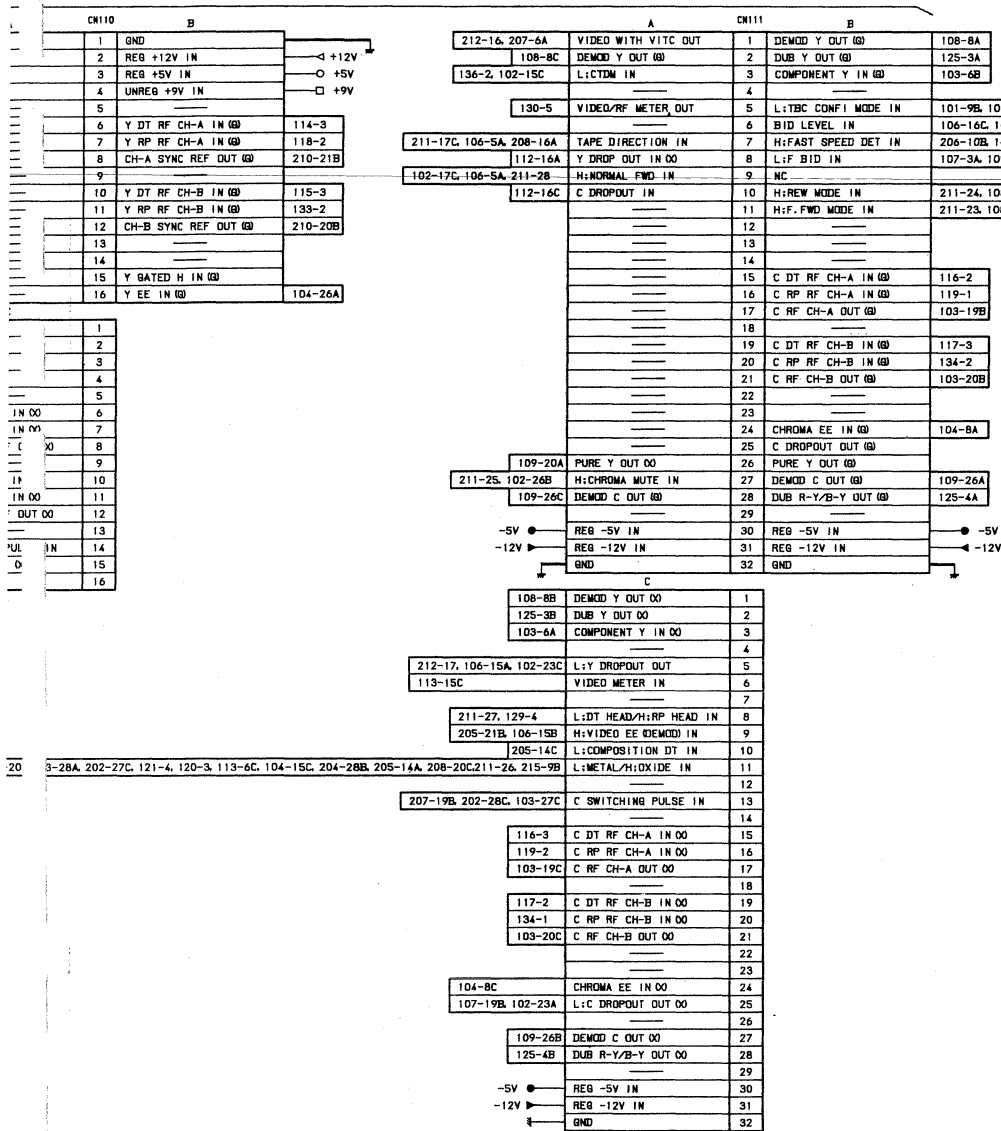


CN107

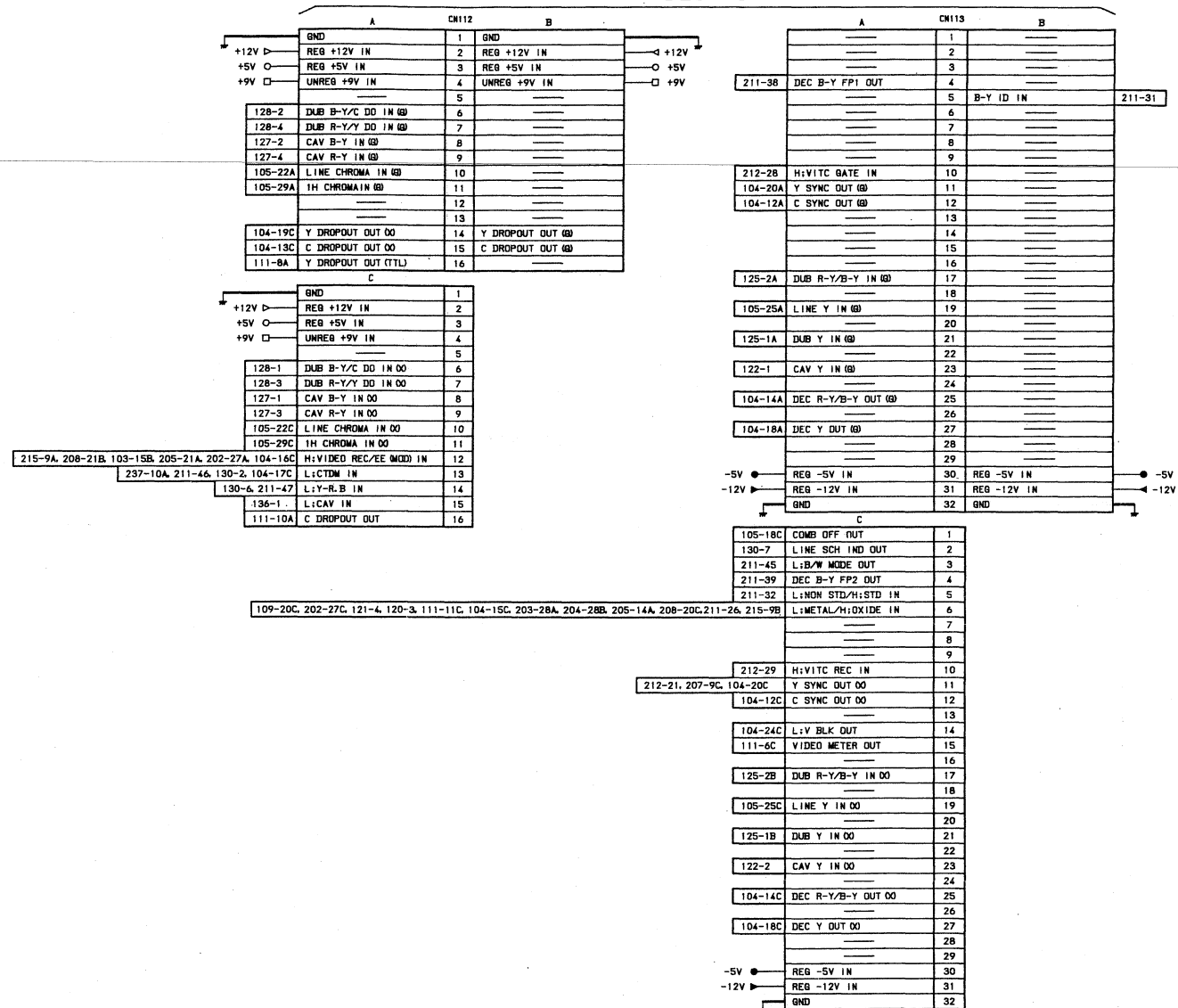




DM-56

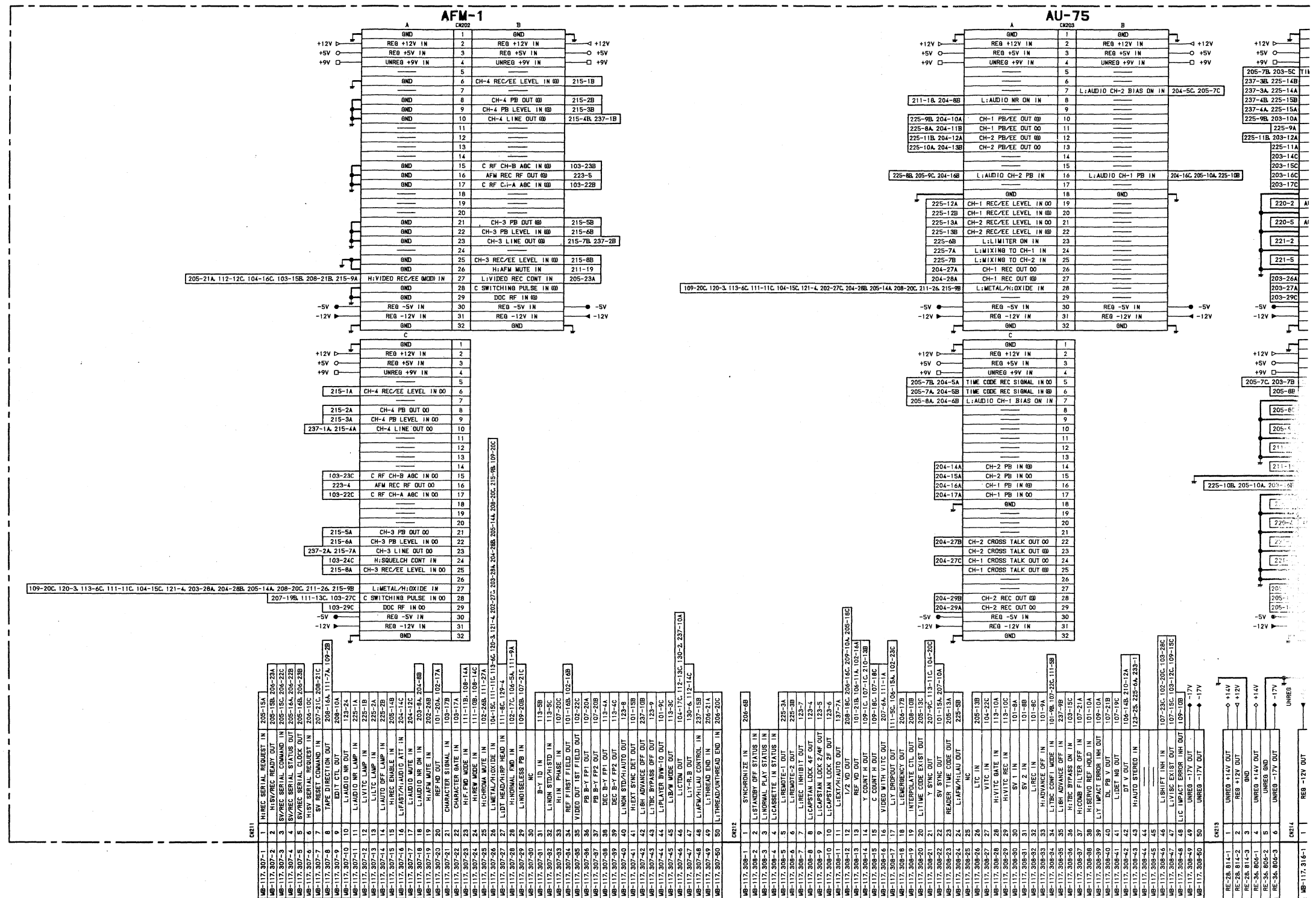


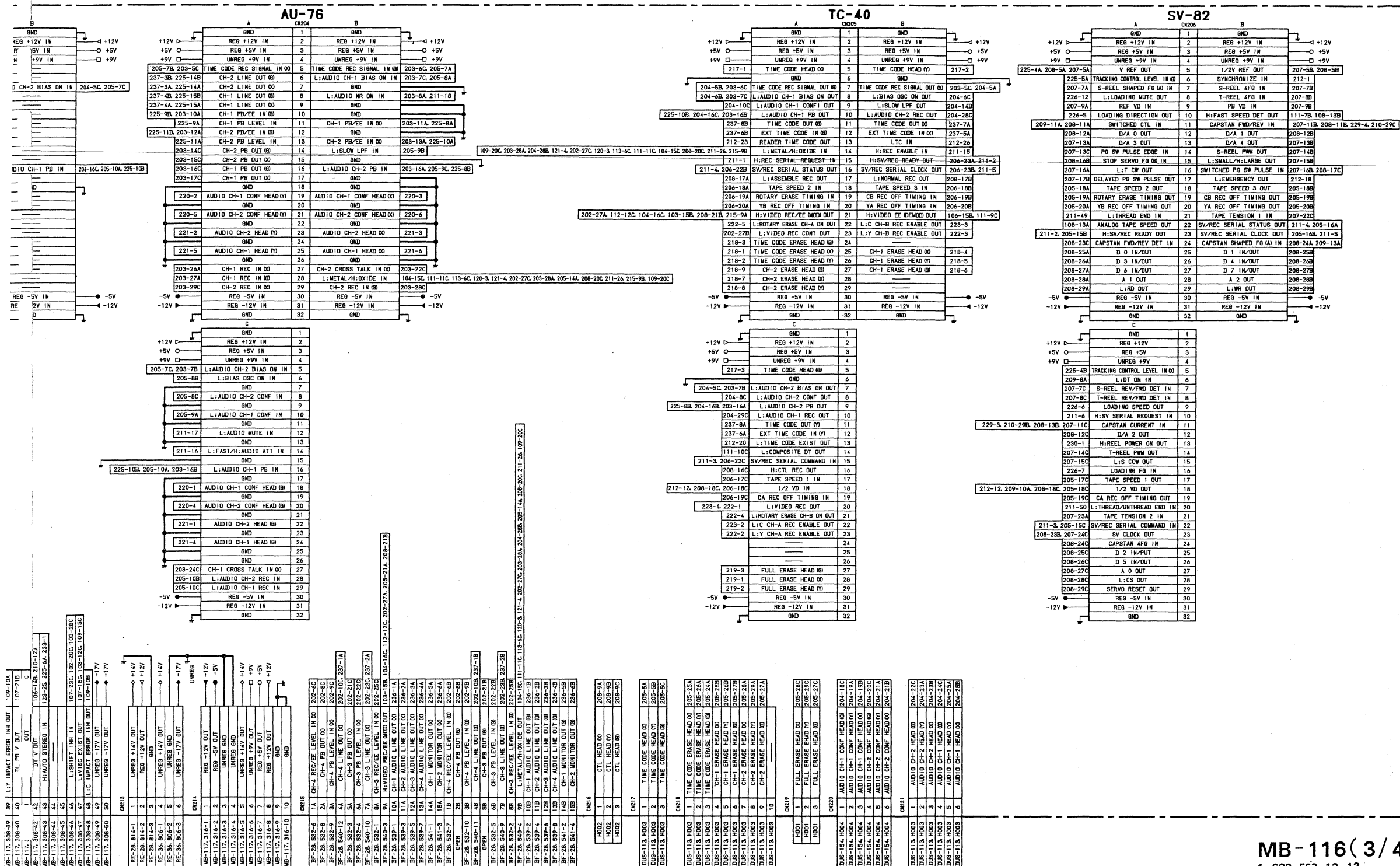
DEC-42



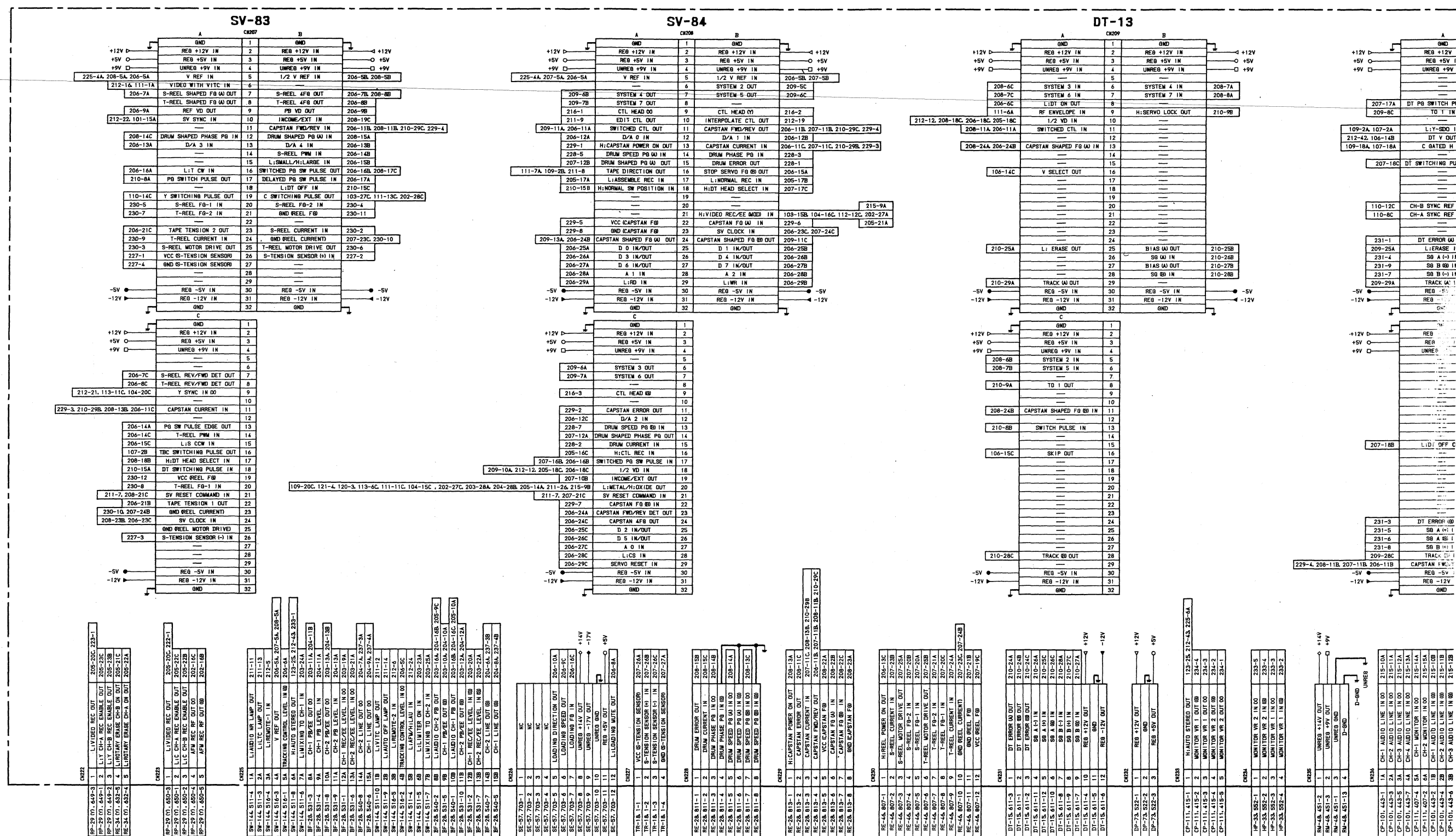
MB-116(2/4)

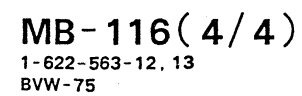
1-622-563-12, 13
BVW-75



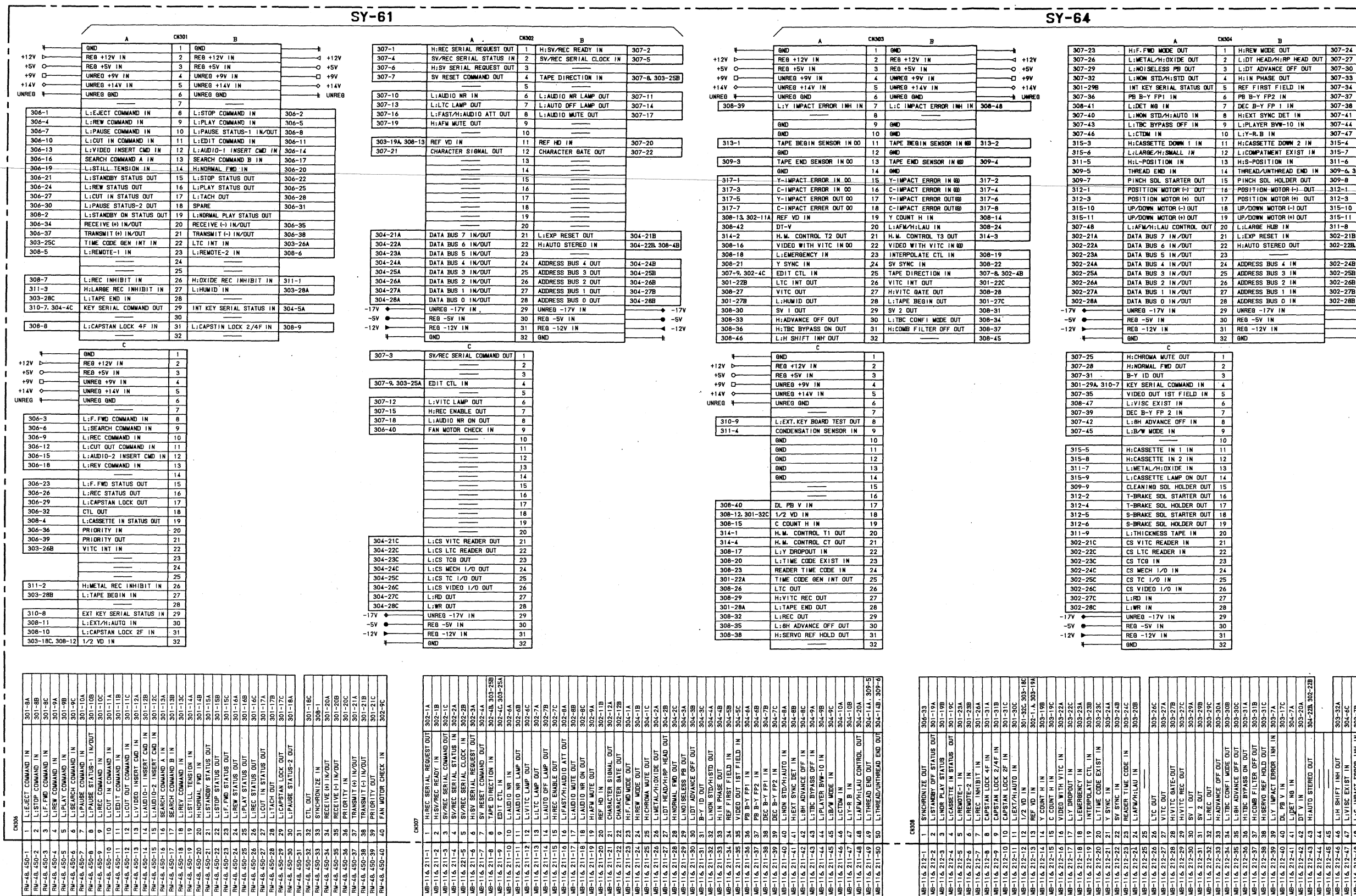


MB-116 (4/4); MOTHER BOARD





MB-117; MOTHER BOARD

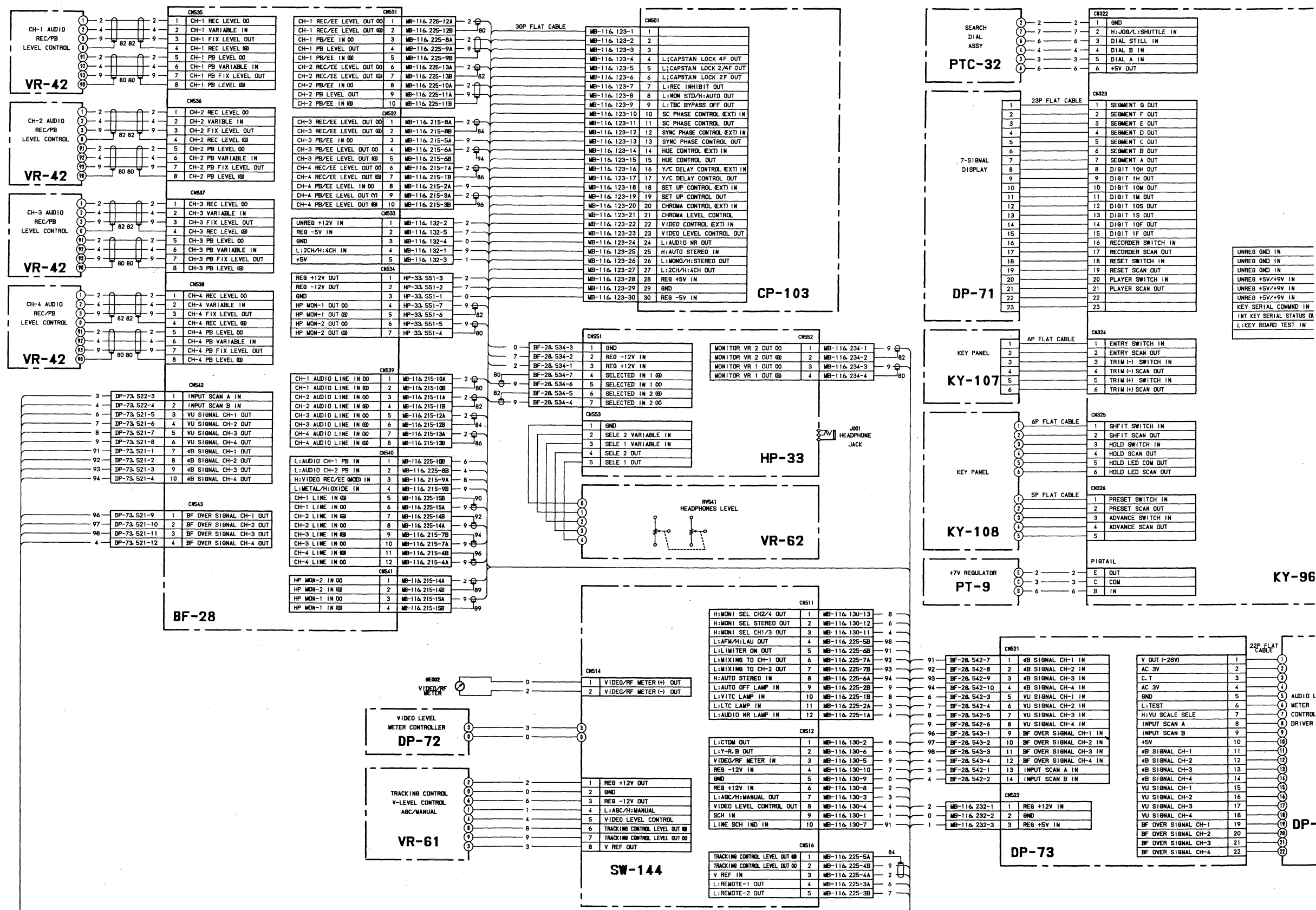


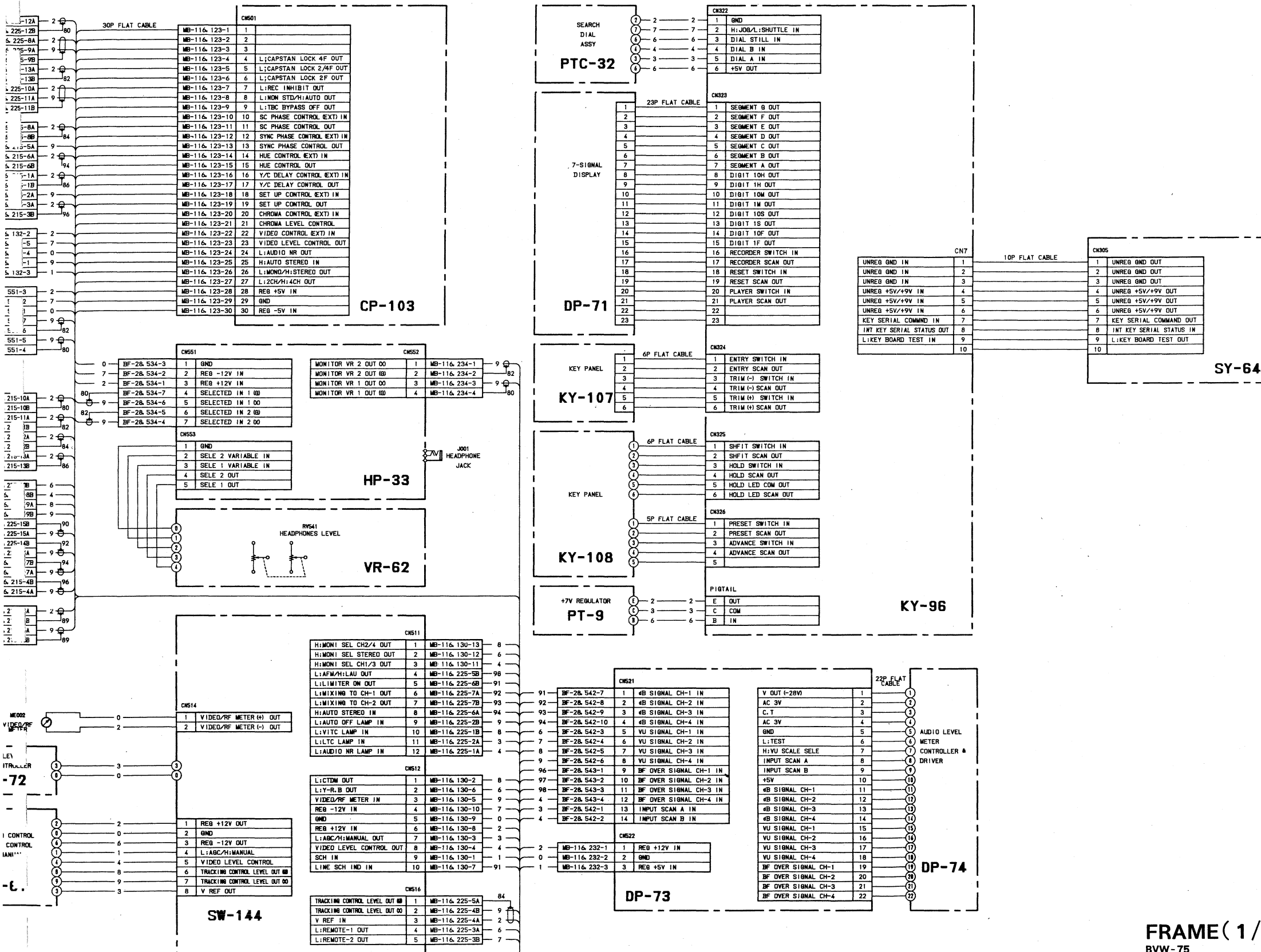
SY-64

A			B		
1	REC SERIAL REQUEST OUT	1	H:SV/REC READY IN	307-2	
2	SV/REC SERIAL STATUS IN	2	SV/REC SERIAL CLOCK IN	307-5	
3	H:SV SERIAL REQUEST OUT	3			
4	RESET COMMAND OUT	4	TAPE DIRECTION IN	307-8, 303-25B	
5		5			
6	AUDIO NR IN	6	L:AUDIO NR LAMP OUT	307-11	
7	LTC LAMP OUT	7	L:AUTO OFF LAMP OUT	307-14	
8	L:FAST/H:AUDIO ATT OUT	8	L:AUDIO MUTE OUT	307-17	
9	H:AFM MUTE OUT	9			
10		10			
11	F VD IN	11	REF HD IN	307-20	
12	CHARACTER SIGNAL OUT	12	CHARACTER GATE OUT	307-22	
13		13			
14		14			
15		15			
16		16			
17		17			
18		18			
19		19			
20		20			
21	DATA BUS 7 IN/OUT	21	L:EXP RESET OUT	304-21B	
22	DATA BUS 6 IN/OUT	22	H:AUTO STEREO IN	304-22B, 308-4B	
23	DATA BUS 5 IN/OUT	23			
24	DATA BUS 4 IN/OUT	24	ADDRESS BUS 4 OUT	304-24B	
25	DATA BUS 3 IN/OUT	25	ADDRESS BUS 3 OUT	304-25B	
26	DATA BUS 2 IN/OUT	26	ADDRESS BUS 2 OUT	304-26B	
27	DATA BUS 1 IN/OUT	27	ADDRESS BUS 1 OUT	304-27B	
28	DATA BUS 0 IN/OUT	28	ADDRESS BUS 0 OUT	304-28B	
29	UNREG -17V IN	29	UNREG -17V IN		-17V
30	-5V IN	30	REG -5V IN		-5V
31	-12V IN	31	REG -12V IN		-12V
32	GND	32	GND		

C		
1	SV/REC SERIAL COMMAND OUT	
2		
3		
4	CTL IN	
5		
6	LTC LAMP OUT	
7	H:REC ENABLE OUT	
8	L:AUDIO NR ON OUT	
9	FAN MOTOR CHECK IN	
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	L:CS VITC READER OUT	
22	S LTC READER OUT	
23	S TCG OUT	
24	S MECH I/O OUT	
25	S TC I/O OUT	
26	L:CS VIDEO I/O OUT	
27	L:RD OUT	
28	L:WR OUT	
29	REG -17V IN	
30	-5V IN	
31	-12V IN	
32	GND	

0307		
1	1. NAME	2. FUNCTIONAL REQUIREMENT
1	MB-116.211-3	READY
2	MB-116.211-3	SV/REC SERIAL COMMAND OUT
3	MB-116.211-3	SV/REC SERIAL STATUS IN
4	MB-116.221-5	SV/REC SERIAL CLOCK IN
5	MB-116.211-6	H:SV SERIAL REQUEST OUT
6	MB-116.211-6	SV RESET COMMAND OUT
7	MB-116.211-7	EDIT CTCL IN
8	MB-116.211-8	TYPE DIRECTION
9	MB-116.211-9	L:AUDIO NR IN
10	MB-116.211-10	L:AUDIO NR IN
11	MB-116.211-11	L:AUDIO NR IN
12	MB-116.211-12	L:AUDIO NR IN
13	MB-116.211-13	L:AUDIO NR IN
14	MB-116.211-14	L:AUDIO NR IN
15	MB-116.211-15	L:FAST/H:AUDIO ATT OUT
16	MB-116.211-16	H:AFM MUTE OUT
17	MB-116.211-17	L:AUDIO NR ON OUT
18	MB-116.211-18	H:AFM MUTE OUT
19	MB-116.211-20	REF MD IN
20	MB-116.211-21	CHARACTER SIGNAL OUT
21	MB-116.211-22	CHARACTER GATE OUT
22	MB-116.211-23	H:FM MODE OUT
23	MB-116.211-24	H:FM MODE OUT
24	MB-116.211-25	H:FM MODE OUT
25	MB-116.211-26	H:FM MODE OUT
26	MB-116.211-27	L:FM MODE OUT
27	MB-116.211-28	L:FM MODE OUT
28	MB-116.211-29	L:FM MODE OUT
29	MB-116.211-30	L:FM MODE OUT
30	MB-116.211-31	L:FM MODE OUT
31	MB-116.211-32	L:FM MODE OUT
32	MB-116.211-33	L:FM MODE OUT
33	MB-116.211-34	L:FM MODE OUT
34	MB-116.211-35	L:FM MODE OUT
35	MB-116.211-36	L:FM MODE OUT
36	MB-116.211-37	L:FM MODE OUT
37	MB-116.211-38	L:FM MODE OUT
38	MB-116.211-39	L:FM MODE OUT
39	MB-116.211-40	L:FM MODE OUT
40	MB-116.211-41	L:FM MODE OUT
41	MB-116.211-42	L:FM MODE OUT
42	MB-116.211-43	L:FM MODE OUT
43	MB-116.211-44	L:FM MODE OUT
44	MB-116.211-45	L:FM MODE OUT
45	MB-116.211-46	L:FM MODE OUT
46	MB-116.211-47	L:FM MODE OUT
47	MB-116.211-48	L:FM MODE OUT
48	MB-116.211-49	L:FM MODE OUT
49	MB-116.211-50	L:FM MODE OUT
50	MB-116.211-51	L:FM MODE OUT
51	MB-116.211-52	L:FM MODE OUT
52	MB-116.211-53	L:FM MODE OUT
53	MB-116.211-54	L:FM MODE OUT
54	MB-116.211-55	L:FM MODE OUT
55	MB-116.211-56	L:FM MODE OUT
56	MB-116.211-57	L:FM MODE OUT
57	MB-116.211-58	L:FM MODE OUT
58	MB-116.211-59	L:FM MODE OUT
59	MB-116.211-60	L:FM MODE OUT
60	MB-116.211-61	L:FM MODE OUT
61	MB-116.211-62	L:FM MODE OUT
62	MB-116.211-63	L:FM MODE OUT
63	MB-116.211-64	L:FM MODE OUT
64	MB-116.211-65	L:FM MODE OUT
65	MB-116.211-66	L:FM MODE OUT
66	MB-116.211-67	L:FM MODE OUT
67	MB-116.211-68	L:FM MODE OUT
68	MB-116.211-69	L:FM MODE OUT
69	MB-116.211-70	L:FM MODE OUT
70	MB-116.211-71	L:FM MODE OUT
71	MB-116.211-72	L:FM MODE OUT
72	MB-116.211-73	L:FM MODE OUT
73	MB-116.211-74	L:FM MODE OUT
74	MB-116.211-75	L:FM MODE OUT
75	MB-116.211-76	L:FM MODE OUT
76	MB-116.211-77	L:FM MODE OUT
77	MB-116.211-78	L:FM MODE OUT
78	MB-116.211-79	L:FM MODE OUT
79	MB-116.211-80	L:FM MODE OUT
80	MB-116.211-81	L:FM MODE OUT
81	MB-116.211-82	L:FM MODE OUT
82	MB-116.211-83	L:FM MODE OUT
83	MB-116.211-84	L:FM MODE OUT
84	MB-116.211-85	L:FM MODE OUT
85	MB-116.211-86	L:FM MODE OUT
86	MB-116.211-87	L:FM MODE OUT
87	MB-116.211-88	L:FM MODE OUT
88	MB-116.211-89	L:FM MODE OUT
89	MB-116.211-90	L:FM MODE OUT
90	MB-116.211-91	L:FM MODE OUT
91	MB-116.211-92	L:FM MODE OUT
92	MB-116.211-93	L:FM MODE OUT
93	MB-116.211-94	L:FM MODE OUT
94	MB-116.211-95	L:FM MODE OUT
95	MB-116.211-96	L:FM MODE OUT
96	MB-116.211-97	L:FM MODE OUT
97	MB-116.211-98	L:FM MODE OUT
98	MB-116.211-99	L:FM MODE OUT
99	MB-116.211-100	L:FM MODE OUT

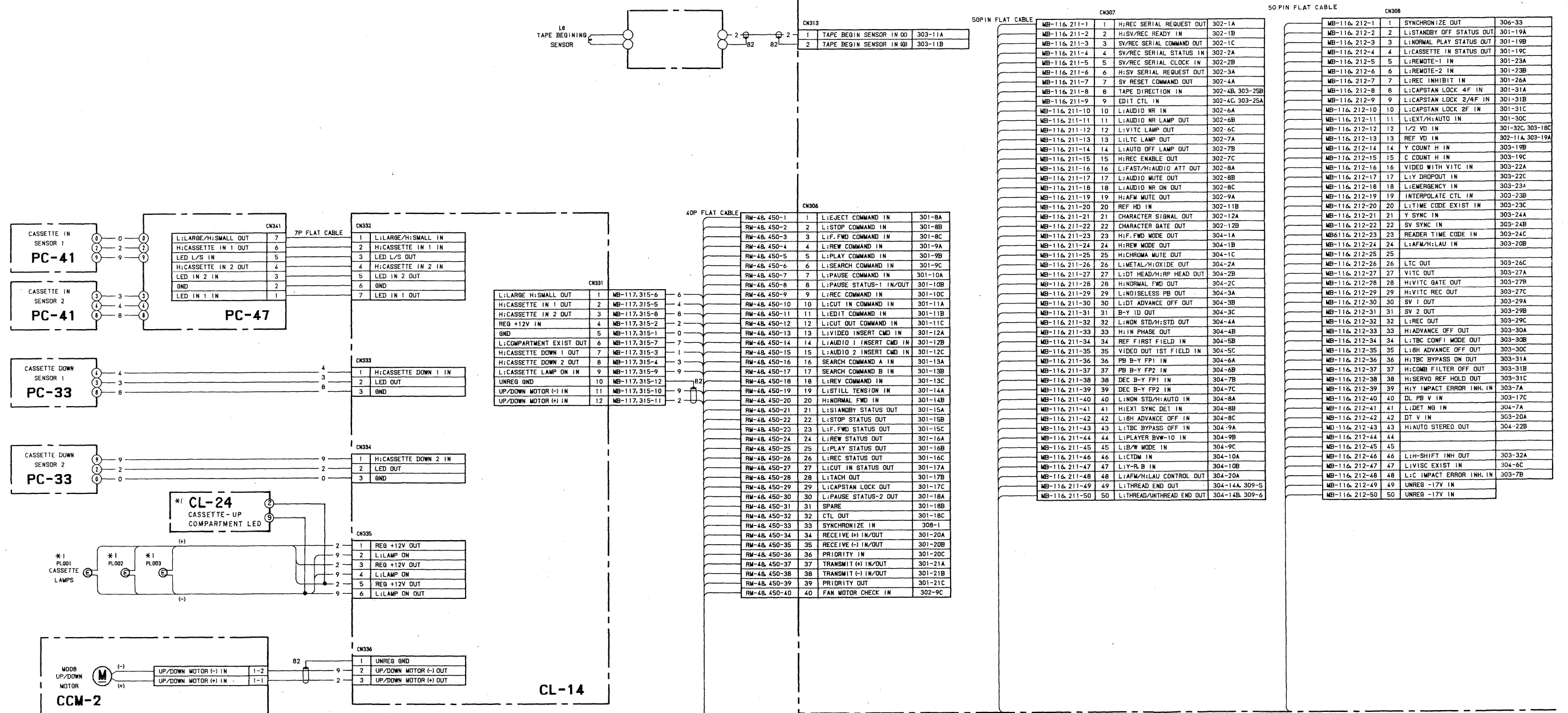
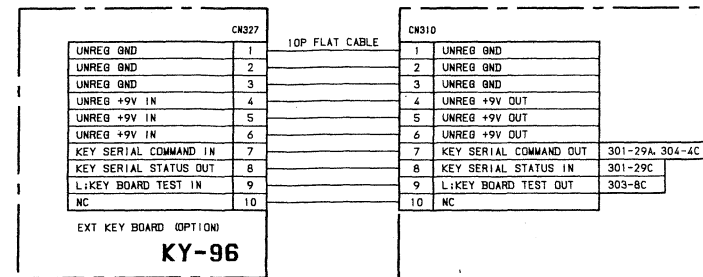


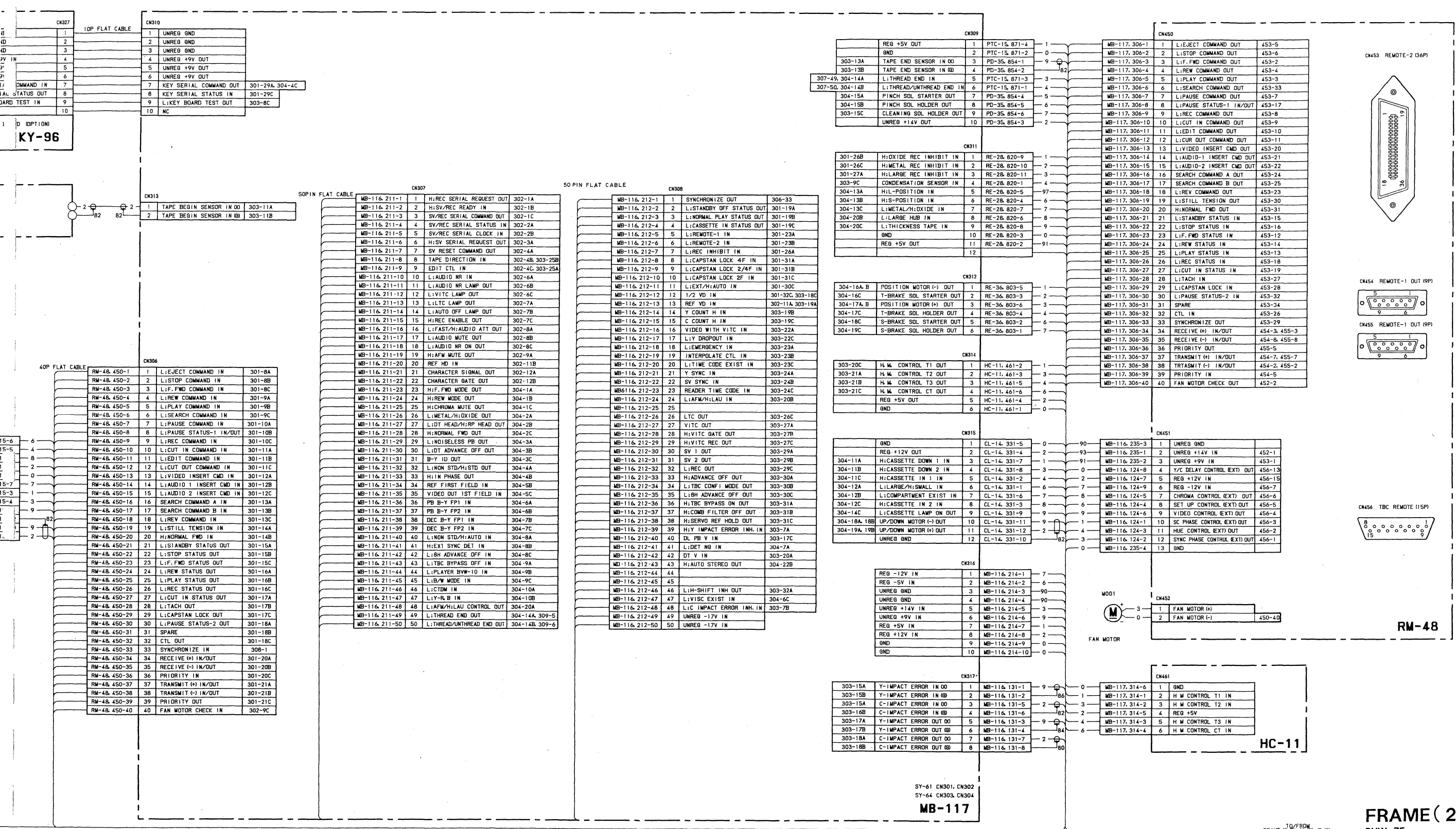


FRAME (2/5)

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	CL-24 BOARD ADDED DELETED PL001, PL002, PL003	UC: S/N 15552 ~ J: S/N 12319 ~





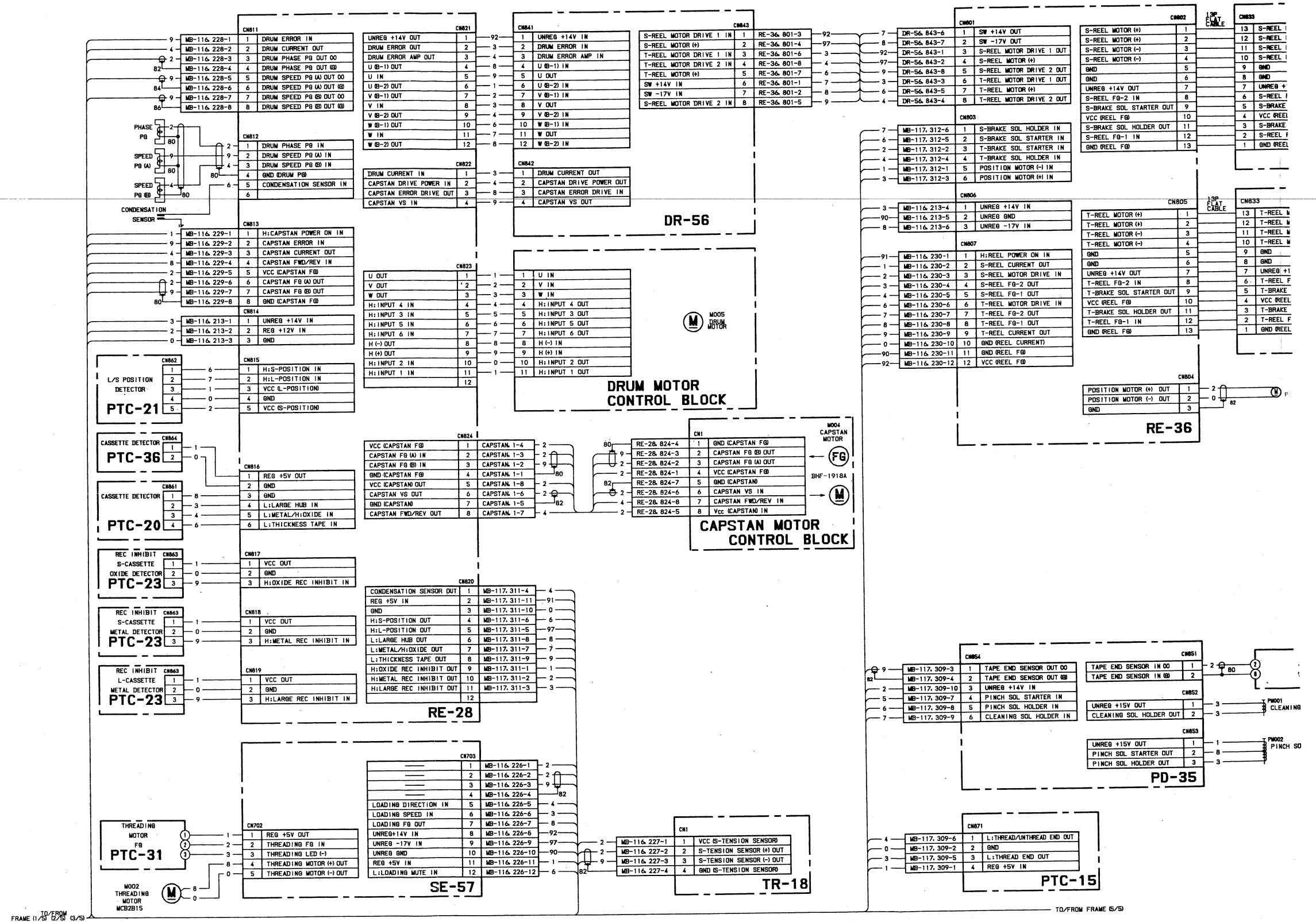
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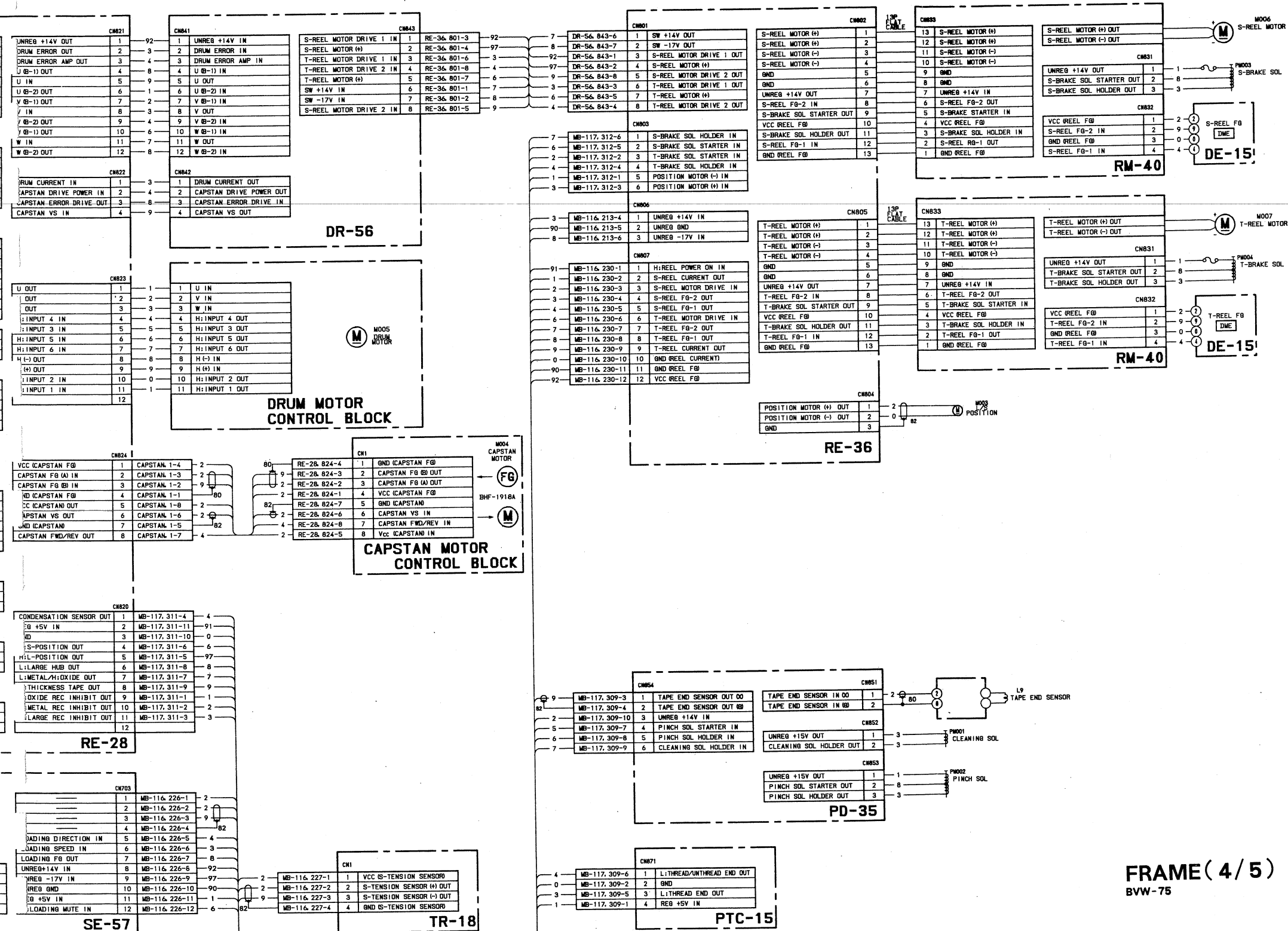



TO/FROM
FRAME (1/3) (2/3)

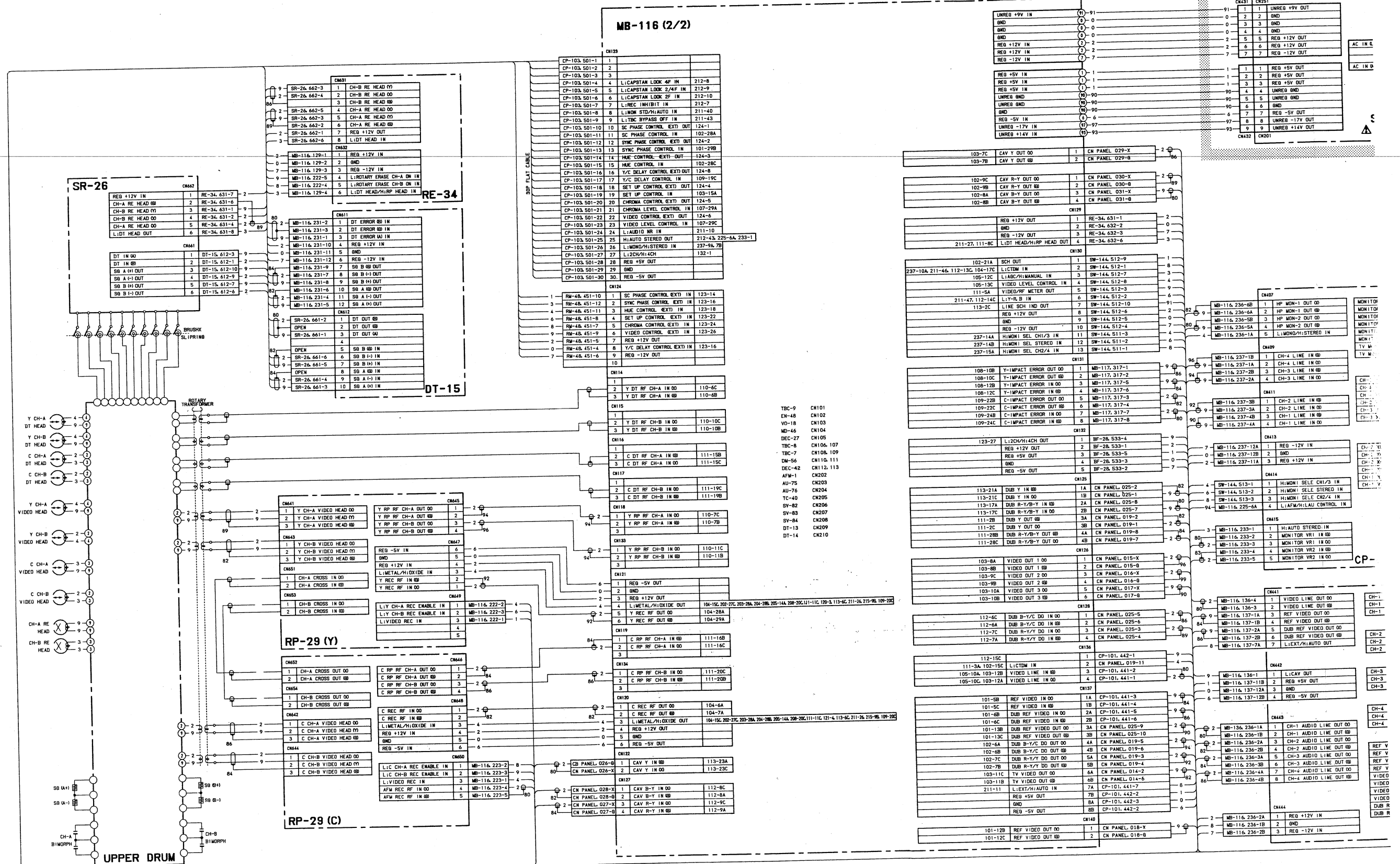
16-505H

		0231		
210-24A	DT ERROR (A) OUT	1	DT-15.611-3	9
210-24B	DT ERROR (B) OUT	2	DT-15.611-1	9
210-24C	DT ERROR (C) OUT	3	DT-15.611-2	80
210-26A	SS A (-) IN	4	DT-15.611-11	2
210-25C	SS A (-) IN	5	DT-15.611-12	9
210-26C	SS A (0) IN	6	DT-15.611-10	82
210-28A	SS B (-) IN	7	DT-15.611-8	2
210-27C	SS B (0) IN	8	DT-15.611-9	9
210-27A	SS B (0) IN	9	DT-15.611-7	84
	REG +12V OUT	10	DT-15.611-4	2
	GND	11	DT-15.611-5	0
	REG -12V OUT	12	DT-15.611-6	7
		0225		
	UNREG +14V OUT	1	RM-46.451-2	93
	UNREG +9V OUT	2	RM-46.451-3	91
	UNREG GND	3	RM-46.451-1	90
	D-GND	4	RM-46.451-13	0
		0234		
215-10A	CH-1 AUDIO LINE IN (0)	1A	CP-111.443-1	2
215-10B	CH-1 AUDIO LINE IN (0)	1B	CP-111.443-2	80
215-11A	CH-2 AUDIO LINE IN (0)	2A	CP-111.443-3	9
215-11B	CH-2 AUDIO LINE IN (0)	2B	CP-111.443-4	82
215-12A	CH-3 AUDIO LINE IN (0)	3A	CP-111.443-5	2
215-12B	CH-3 AUDIO LINE IN (0)	3B	CP-111.443-6	84
215-13A	CH-4 AUDIO LINE IN (0)	4A	CP-111.443-7	9
215-13B	CH-4 AUDIO LINE IN (0)	4B	CP-111.443-8	86
215-14A	CH-1 MONITOR OUT (0)	5A	CP-111.407-4	2
215-14B	CH-1 MONITOR OUT (0)	5B	CP-111.407-3	80
215-15A	CH-2 MONITOR OUT (0)	6A	CP-111.407-2	9
215-15B	CH-2 MONITOR OUT (0)	6B	CP-111.407-1	82
		0237		
5-4A, 202-10C	CH-4 LINE OUT (0)	1A	CP-111.409-2	9
5-4B, 202-10B	CH-4 LINE OUT (0)	1B	CP-111.409-1	96
5-7A, 202-23C	CH-3 LINE OUT (0)	2A	CP-111.409-4	9
7-5B, 202-23B	CH-3 LINE OUT (0)	2B	CP-111.409-3	94
5-14A, 204-7A	CH-2 LINE OUT (0)	3A	CP-111.411-2	2
5-14B, 204-6A	CH-2 LINE OUT (0)	3B	CP-111.411-1	92
5-15A, 204-9A	CH-1 LINE OUT (0)	4A	CP-111.411-4	9
5-15B, 204-8B	CH-1 LINE OUT (0)	4B	CP-111.411-3	90
205-12B	EXT TIME CODE IN (0)	5A	CN PAMEL 006-2	2
		5B	NC	
205-12C	EXT TIME CODE IN (0)	6A	CN PAMEL 006-3	9
205-12A	EXT TIME CODE IN (0)	6B	CN PAMEL 006-1	80
205-11B	TIME CODE OUT (0)	7A	CN PAMEL 007-2	2
5-9A, 123-26	L1:MONO/H:STEREO OUT	7B		
205-11C	TIME CODE OUT (0)	8A	CN PAMEL 007-3	9
205-11A	TIME CODE OUT (0)	8B	CN PAMEL 007-1	82
7-7B, 123-25	L1:MONO/H:STEREO OUT	9A		
212-36	L1:BN ADVANCE OFF OUT	9B	CN PAMEL 025-12	3
4-17C, 211-46	L1:CTON OUT	10A	CN PAMEL 025-11	6
211-42	L1:BN ADVANCE OFF IN	10B	CN PAMEL 019-12	9
	REG +12V OUT	11A	CP-111.413-3	2
	REG +12V OUT	11B	CP-111.444-1	9
	GND	12A	CP-111.413-2	8
	GND	12B	CP-111.444-2	0
	REG -12V OUT	13A	CP-111.413-1	7
	REG -12V OUT	13B	CP-101.444-3	4
130-11	H:MONI SEL CH-1/3 OUT	14A	CP-111.414-1	4
130-12	H:MONI SEL STEREO OUT	14B	CP-111.414-2	8
130-13	H:MONI SEL CH-2/4 OUT	15A	CP-111.414-3	8
211-48	L1:AFW:HLAU CONTROL OUT	15B	CP-111.414-4	94





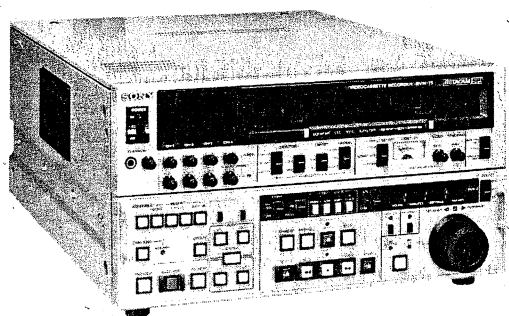
The shaded and -marked components are critical to safety.
Replace only with same components as specified.



SONY

VIDEOCASSETTE RECORDER

BVW-75



BETACAM SP™

MAINTENANCE MANUAL

Volume 2 6th Edition (Revised 11)

Serial No. 11104 and Higher (JAPAN)

Serial No. 13028 and Higher (USA CANADA)

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SECTION 17

PRINTED WIRING BOARDS

CIRCUIT CONFIGURATION

The circuit information is provided below.

System	Board	Circuit function
VIDEO	DEC-27	Y/C Separator
	DEC-42	C Decoder, C Compressor, Y Selector
	CF-36	Color Framing Detector
	DUS-273	R-Y Clamp Level Adj.
	MD-46	Y/C Modulator
	DUS-272Y *1	Y Non-Linear Preemphasis
	DUS-272C *1	C Non-Linear Preemphasis
	RP-29(Y)	Y REC/PB Amplifier
	RP-29(C)	C REC/PB Amplifier
	DM-56	Y/C Demodulator
	TBC-7	Time Base Corrector
	TBC-8	Time Base Corrector
	NR-25	Y Digital Noise Reduction
	TBC-9	Time Base Corrector
	EN-48	C Encoder
	VO-18	Video Output
	DUS-270	Squelch Buffer
	RE-34	Rotary Erase
	CP-103	Sub Control Panel
	CP-101	Video/Audio Input
AUDIO	BF-28	Audio Buffer/Level Detector
	VR-42	Audio REC/PB Volume
	AU-75	LNG Audio REC/PB Amplifier
	AU-76	LNG Audio Head Amplifier, Bias Oscillator

System	Board	Circuit function
AUDIO	AFM-1	AFM Audio Modulator/Demodulator
	FL-61	Low-Pass Filter
	CP-111	Audio Output
	CP-161A	Amplifier/Driver
	CP-113	Audio Balanced Amplifier
	HP-33	Headphones Amplifier/Jack
	VR-62	Headphones Level Volume
	DP-74	Audio Level Meter
	DP-73	DC-AC/DC Converter
	SW-144	Select Switch/Display
	DP-72	Video/RF Meter LED
	VR-61	Video/Tracking Control Volume
SERVO	SV-82	Microcomputer
	SV-83	Reel Servo
	SV-84	Capstan/Drum Servo
	RE-28	Capstan/Drum Motor Driver
	PTC-20	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	PTC-21	Reel Table Position Detector
	PTC-23	REC Inhibit Detector
	PTC-36	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	DR-56	Drum Error Amplifier, Capstan/Reel Motor Driver
	RE-36	Reel Motor Driver
	RM-40	Reel Motor
	DE-15	Reel Motor FG
	SE-57	Threading Motor Control
	PTC-31	Threading Motor FG

System	Board	Circuit function
SERVO	TR-18	Tape Tension Sensor
	DT-13	Dynamic Tracking
	DT-14	Dynamic Tracking
	DUS-282	Strain Gage Buffer
	DT-15	Dynamic Tracking
SYSTEM CONTROL	SY-61	System Control
	DUS-570	Fan Motor Error Detector
	SY-64	Time Code Reader/ Generator
	RM-48	Remote Connector
	PD-35	Pinch/Cleaning Solenoid
	PTC-15	Thread/Unthread End Sensor
	CL-14	Cassette-up Compartment
	CL-24 *2	Cassette-up Compartment LED
	PC-47	Large/Small Cassette Detector
	PC-33	Cassette Down Detector
	PC-41	Cassette In Detector
	OCM-2	Up/Down Motor
	HC-11	Hours Meter
	KY-96	Keyboard
	KY-107	Keyboard
	KY-108	Keyboard
	PTC-32	Search Dial
	DP-71	Time Counter Display
	PT-9	Power Transistor
	TC-40	LTC REC/PB Amplifier, Erase Driver
OTHERS	AC-96	Relay Board of AC Inlet
	C1	Switching Regulator
	C2	Switching Regulator
	M1	Switching Regulator
	M2	Switching Regulator
	MB-116	Mother Board
	MB-117	Mother Board
	EX-116	Extension Board
	EX-134	Extension Board
	EX-151	Extension Board

*1... Serial No. up to 14368 (UC)

Serial No. up to 11668 (J)

*2... Serial No. 15552 and higher (UC)

Serial No. 12319 and higher (J)

DEC-27 (1-622-543-13,14,15)

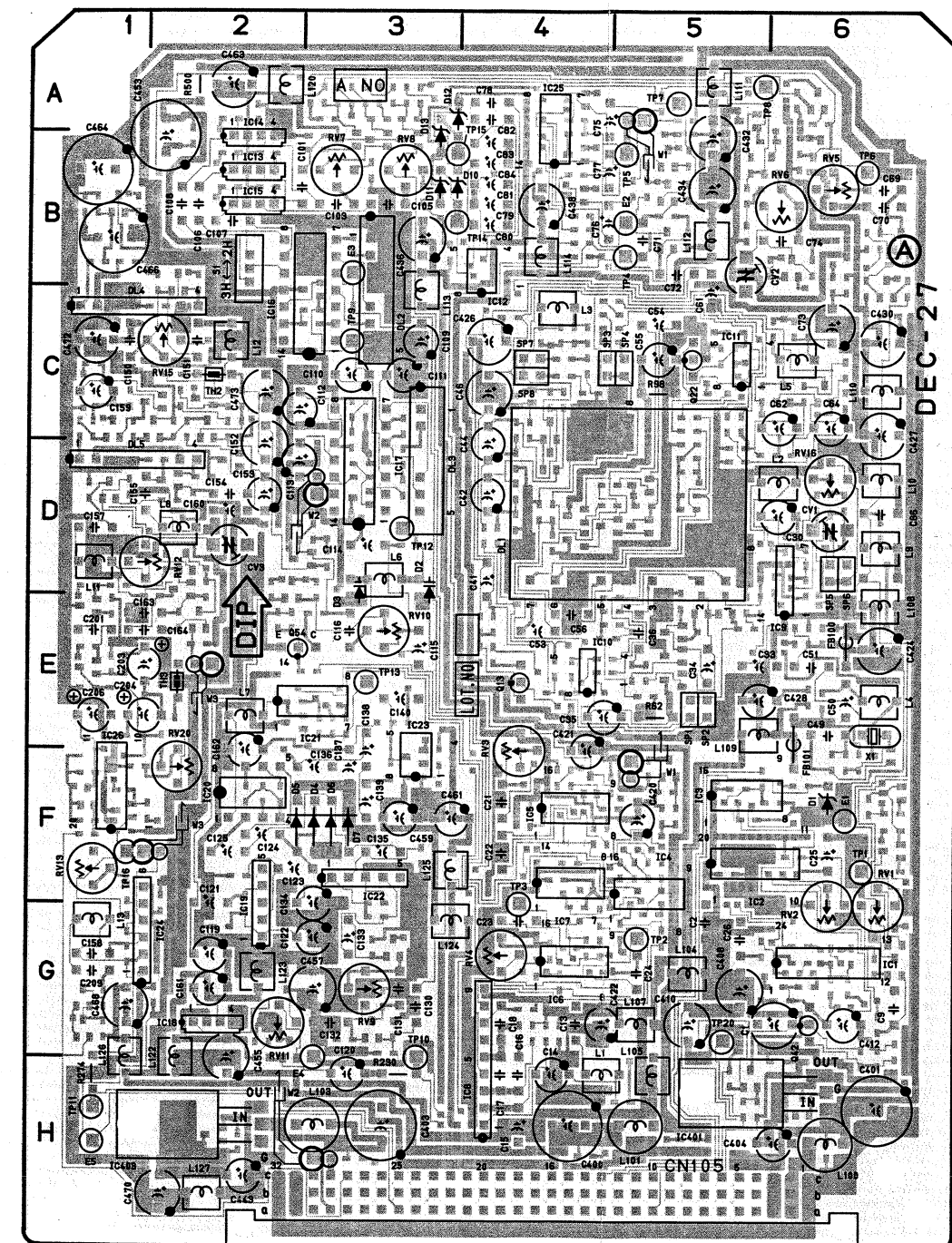
REF. NO.	TYPE	PIN NO.					
		REG +12V	+9V	+5V	GND	-5V	REG -12V
IC 1	CXA1040M		24		15		
IC 2	CXA1039M		1.11		6		
IC 3	TC4053BF		16		7.8		
IC 4	SN74LS221NS			16	8		
IC 5	SN74LS221NS			16	8		
IC 6	SN74LS221NS			16	8		
IC 7	TC74HC74F			14	7		
IC 8	TA7357AP		9		5		
IC 9	NJM1496M					14	
IC 10	μPC1663G2	6.7			3.2		
IC 11	μPC1663G2	6.7			3.2		
IC 12	TL082CPS			8		4	
IC 13	AN608P	2			4		
IC 14	AN608P	2			4		
IC 15	AN607P	2			4		
IC 16	CX22013	11			13		
IC 17	CXA1020P	8			9		
IC 18	AN607P	2			4		
IC 19	M5215L			3	5		
IC 20	SN16913P			8	4		
IC 21	TC4053BF			16	7.8		
IC 22	M5215L			3	5		
IC 23	TL082CPS			8			4
IC 24	VA UNIT			6		1	
IC 25	TC4066BFHB			14	7		
IC 401	RC78M09FA	*	*	*	2	*	*
IC 402	NJM78L05A	*	*	*	2	*	*
IC 403	RC79M05FA	*	*	*	*	*	*

* REFER TO SCHEMATIC

DEC-27 (1-622-543-13,14,15)

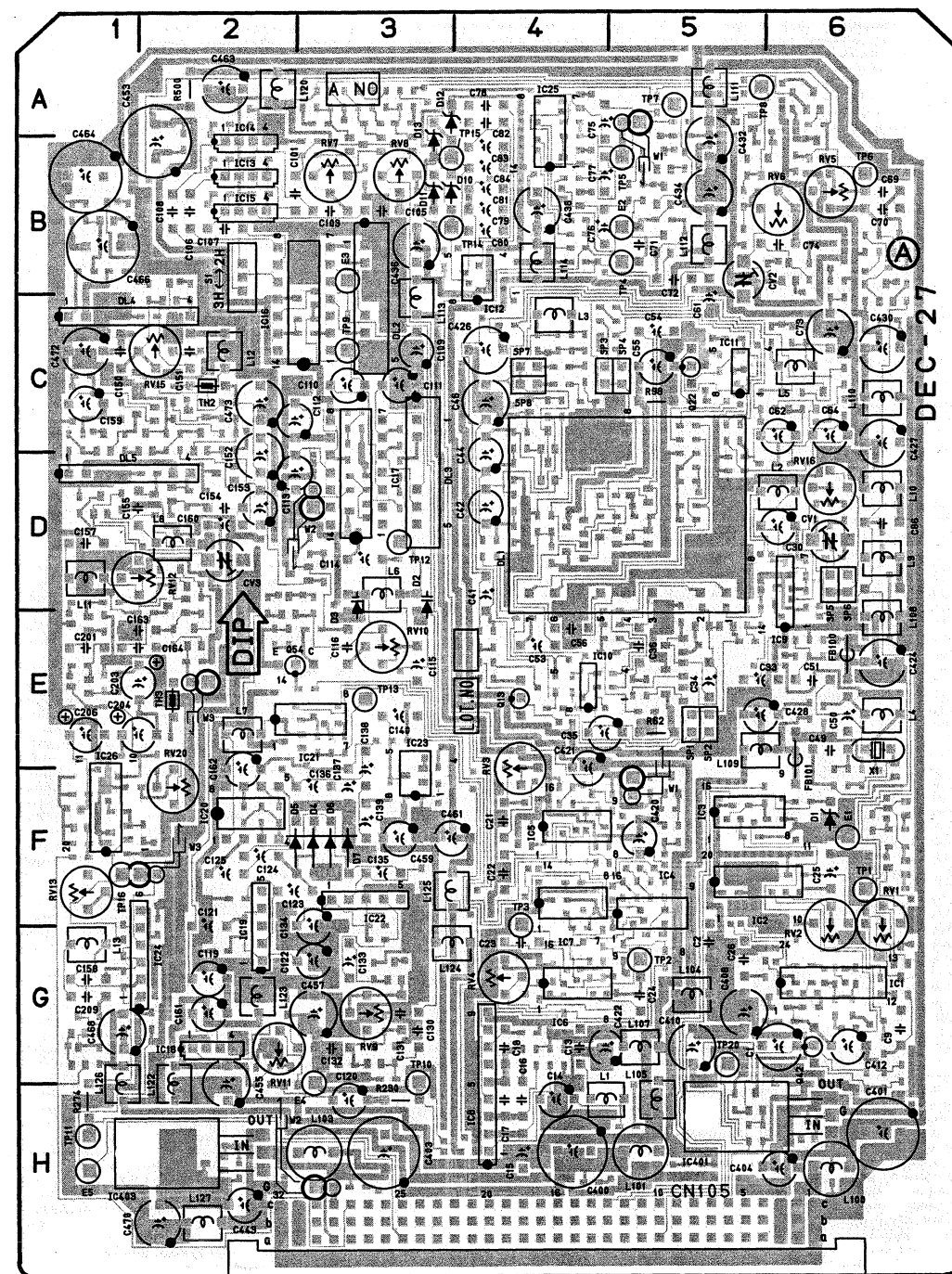
CB-105	H-3	IC5	F-4	Q17	D-4	Q68	D-2	TH2	C-2
CV1	D-6	IC6	G-4	Q18	D-4	Q69	D-3		
CV2	B-5	IC7	F-4	Q19	D-4	Q70	C-1	TP1	F-6
CV3	D-2	IC8	G-4	Q20	D-4	Q71	C-1	TP2	G-4
		IC9	D-6	Q21	D-5	Q72	E-2	TP3	F-4
		IC10	E-4	Q22	C-5	Q73	E-2	TP4	B-4
D1	F-6	IC11	C-5	Q23	C-6	Q74	E-1	TP5	B-4
D2	D-3	IC12	B-4	Q24	C-6	Q75	E-1	TP6	B-6
D3	D-3	IC13	B-2	Q25	B-6	Q76	F-1	TP7	C-4
D4	F-3	IC14	B-2	Q26	B-6	Q77	F-1	TP8	C-4
D5	F-3	IC15	B-2	Q27	A-6	Q78	G-1	TP9	C-3
D6	F-3	IC16	C-2	Q28	A-6	Q79	G-1	TP10	G-3
D7	F-3	IC17	D-2	Q29	B-4			TP11	H-1
D9	D-2	IC18	G-2	Q30	B-4	RV1	F-6	TP12	D-3
D10	B-4	IC19	F-2	Q31	A-5	RV2	F-6	TP13	E-3
D11	B-3	IC20	F-2	Q32	B-6	RV3	E-5	TP14	B-3
D12	A-3	IC21	E-2	Q33	A-5	RV4	G-4	TP15	B-3
D13	A-3	IC22	F-3	Q34	A-5	RV5	B-6	TP16	F-1
		IC23	F-3	Q35	A-4	RV6	B-5		G-5
D401	H-5	IC24	F-1	Q36	B-4	RV7	B-3		
D403	H-2	IC25	A-4	Q37	B-4	RV8	B-3		
		IC26	F-1	Q41	C-4	RV9	G-3		
DL1	D-4	IC401	H-5	Q42	B-6	RV10	E-3		
DL2	C-2	IC403	H-2	Q50	B-3	RV11	G-2		
DL3	D-3			Q51	B-3	RV12	D-1		
DL4	C-1	Q1	G-5	Q52	B-3	RV13	F-1		
DL5	D-1	Q2	F-6	Q53	C-2	RV15	C-1		
		Q3	G-6	Q54	E-3	RV16	D-6		
E1	E-6	Q4	F-6	Q55	D-2				
E2	A-4	Q5	F-6	Q56	D-2	S1	B-2		
E3	C-2	Q6	F-4	Q57	G-2	S2	H-2		
E4	C-2	Q7	F-5	Q58	G-3				
E5	H-1	Q8	E-5	Q59	G-3	SP1	E-5		
		Q9	E-5	Q60	E-2	SP2	E-5		
FB100	D-6	Q10	E-5	Q61	B-1	SP3	C-4		
FB101	E-6	Q11	E-5	Q62	C-1	SP4	C-4		
		Q12	E-5	Q63	C-2	SP5	D-6		
IC1	G-6	Q13	E-3	Q64	C-2	SP6	D-6		
IC2	F-5	Q14	C-4	Q65	C-2	SP7	C-4		
IC3	F-5	Q15	C-4	Q66	D-2	SP8	C-4		
IC4	F-5	Q16	E-6	Q67	D-1				

DEC-27; Y/C SEPARATOR

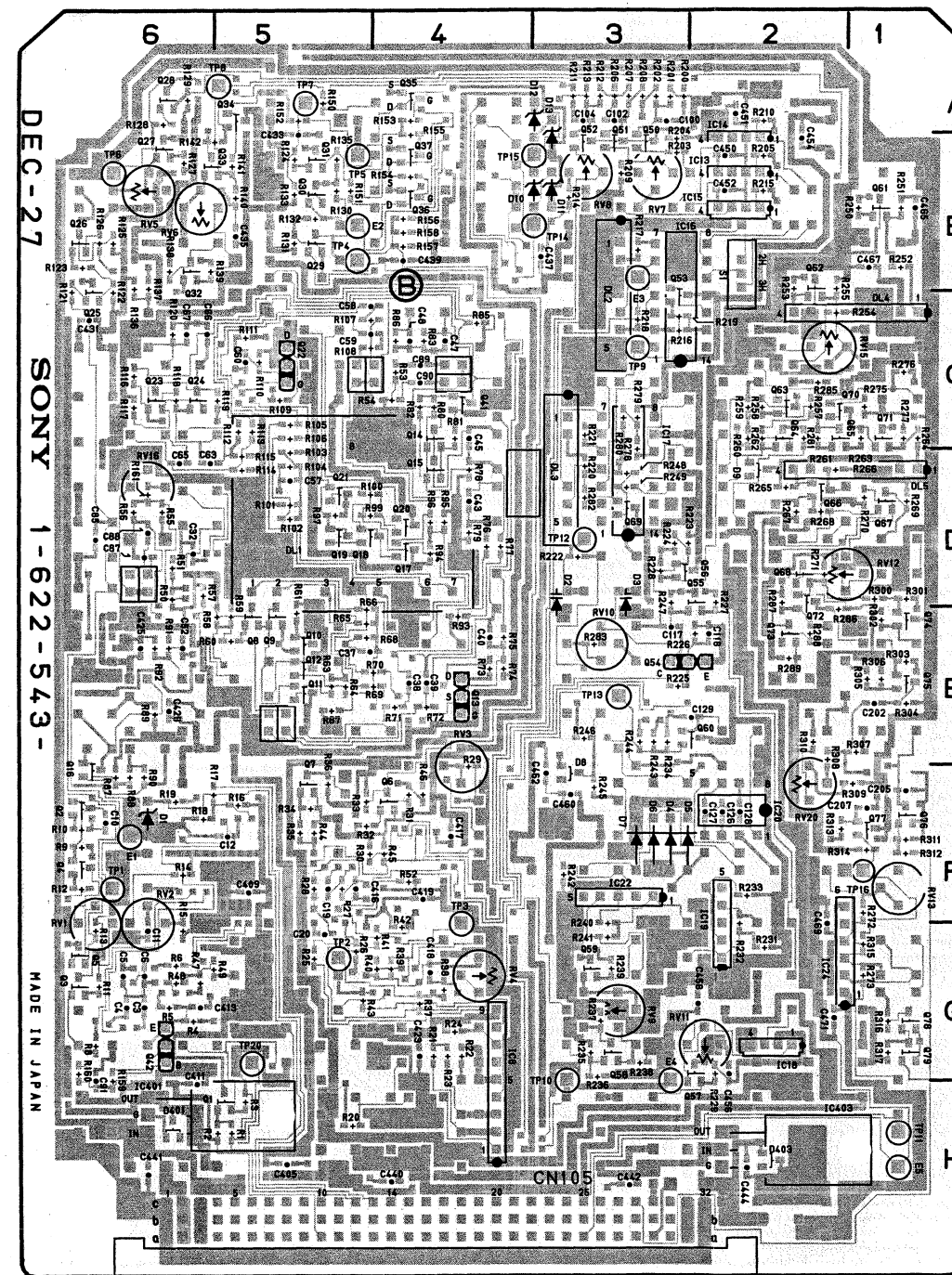
 UC ; S/N 10764 and higher
 J ; S/N 10326 and higher

 DEC-27—COMPONENT SIDE—
 1-622-543-13, 14, 15
 BVW-70
 BVW-75
 BVW-96

DEC-27; Y/C SEPARATOR

UC ; S/N 10764 and higher
J ; S/N 10326 and higher



DEC-27 —COMPONENT SIDE—
1-622-543-13, 14, 15
BVW-70
BVW-75
BVW-96



DEC-27 —SOLDERING SIDE—
1-622-543-13, 14, 15
BVW-70
BVW-75
BVW-96

DEC-42; C DECODER/COMPRESSOR, Y SELECTOR

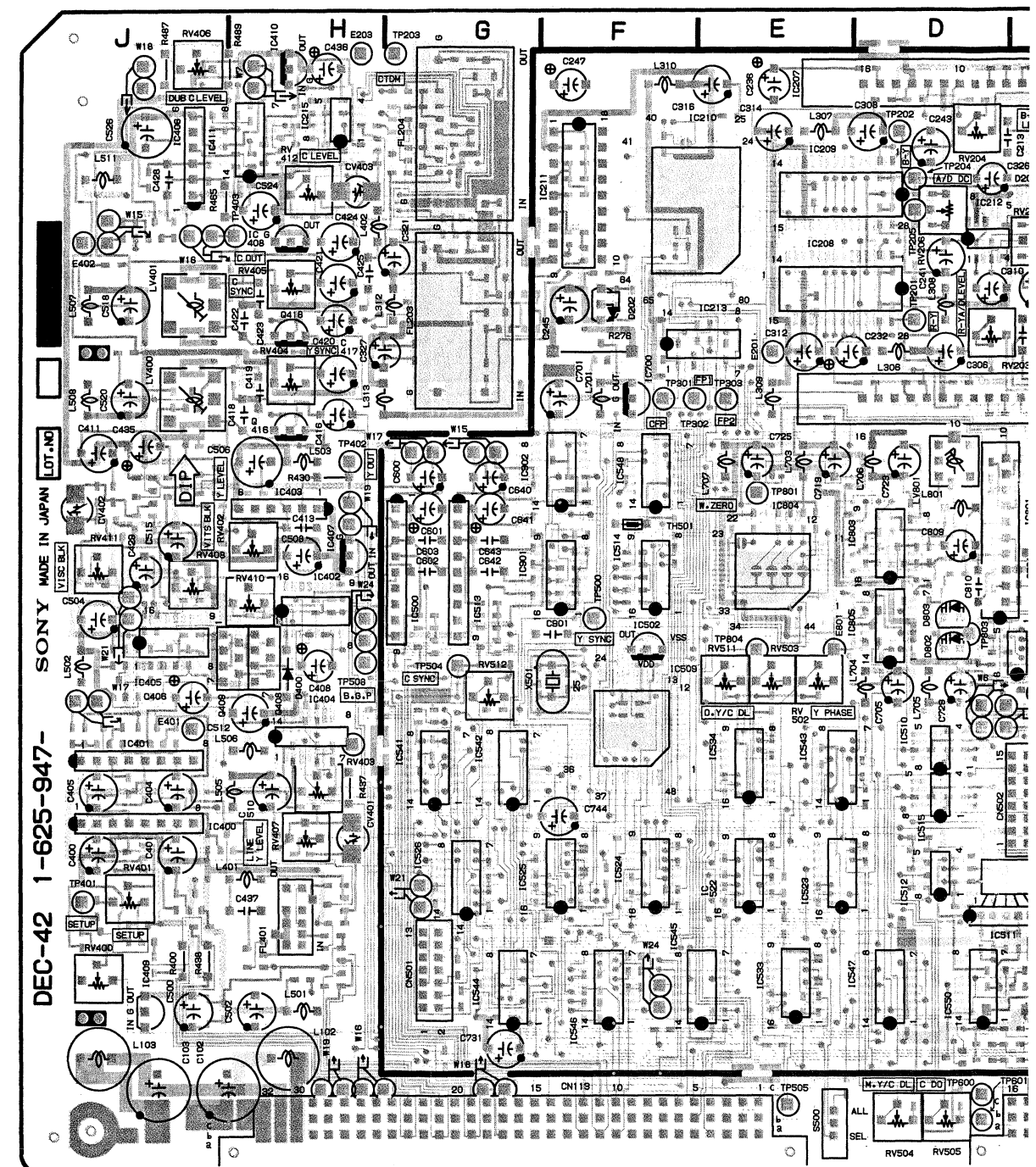
UC; Up to S/N 14821
J; Up to S/N 12028

REF. NO.	TYPE	PIN NO.					
		RGB +12V	+9V	+5V	GND	-5V	-12V
IC 1	NJM1496M			16	6.8		14
IC 2	TC4053BF						*
IC 3	NJM1496M						14
IC 4	TL084CNS			4		11	
IC 5	TL084CNS			4		11	
IC 6	PC311G2			8	1	4	
IC 7	TC4053BF			16	8	16	
IC 8	SN74LS163ANS			16	8	8	
IC 9	MC10H124F			9	16	8	
IC 10	MC10H131F				1	8	
IC 11	MC10H131F				1.16	8	
IC 100	NJM78M09A	*	*	*	*	*	*
IC 101	NJM78L09A	*	*	*	*	*	*
IC 200	TL607CPS	8			1		5
IC 201	CX20061	1			5		
IC 202	CX20061	1			5		
IC 203	TL607CPS	8			1		5
IC 204	CX20061	1			5		
IC 205	CX20061	1			5		
IC 206	SBX4002-01	2.11			4.13		5.14
IC 207	SBX4002-01	2.11			4.13		5.14
IC 208	CXA1096M			13.17	18.12.15		
IC 209	CXA1096M			13.17	18.12.15		
IC 210	CXD1151Q			33.73	11.12		
IC 211	MB40778P		*	7.8	1.9		
IC 212	TL082CPS	8		4.5		4	
IC 213	TC74HC			1			
IC 214	TL607CPS	8		1			
IC 215	TL607CPS	8		1			
IC 400	CX20061		1		5		
IC 401	CX20061		1		5		
IC 402	TC4053BF			16	8	7	*
IC 403	VA UNIT			6		7	
IC 404	TL084CNS			4		11	
IC 405	TC4052BF			16	6.8	7	
IC 406	VA UNIT			6		1	
IC 407	NJM79L05A	*	*	*	1	*	*
IC 408	NJM79L05A	*	*	*	1	*	*
IC 409	NJM78L09A	*	*	*	1	*	*
IC 410	NJM78L09A	*	*	*	1	*	*
IC 411	CX20158			12.14	5.7.10	1	
IC 500	TA7357AP		9		5		
IC 502	S-8053ALR			2	3		
IC 509	CX-7993A			19.43	6.31		
IC 510	MB4002PF	8			1	4	
IC 511	MS215L			3	5		
IC 512	PC311G2			8	1	4	
IC 513	TA7357AP		9		5		
IC 514	SN74LS221NS			16	8		
IC 515	MB4002PF	8			1	4	
IC 522	SN74LS221NS			16	8		
IC 523	SN74LS221NS			16	8		
IC 524	SN74LS221NS			16	8		
IC 525	SN74LS123NS			16	8		
IC 526	TC74HC74F			14	7		
IC 533	SN74LS221NS			16	8		
IC 534	SN74LS221NS			16	8		
IC 541	TC74HC32F			14	7		
IC 542	TC4030BF			14	7		
IC 543	TC74HC00F			14	7		
IC 544	TC74HC00F			14	7		
IC 545	TC74HC00F			14	7		
IC 546	TC74HC08F			14	7		
IC 547	TC74HC32F			14	7		
IC 548	TC74HC00F			14	7		
IC 550	TC74HC74F			14	7		
IC 801	BX1461		8		4	3	
IC 802	TL082CPS		8			4	
IC 803	MC10H125M			9	16	8	
IC 804	CXD1045AQ			17.39	6		
IC 901	SN74LS221NS			16	8		
IC 902	TC74HC74F			14	7		
IC 700	NJM78L09A		1		2		

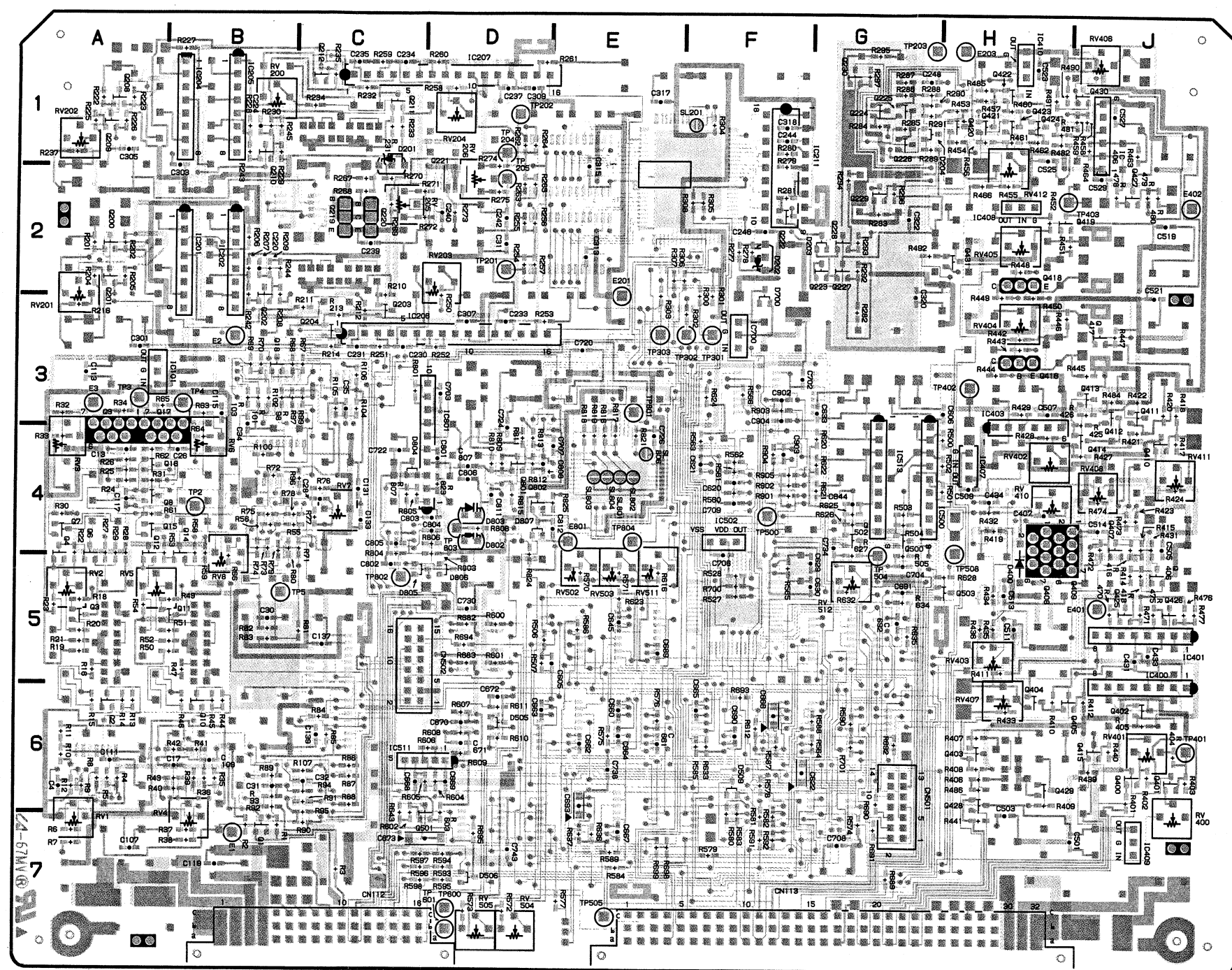
* REFER TO SCHEMATIC

DEC-42(1-625-947-11,12)

CN112	C-7	IC214	C-2	Q201	A-2	RV203	C-3
CN113	F-7	IC215	H-1	Q202	B-3	RV204	D-1
CN501	G-6	IC400	J-5	Q203	C-3	RV205	C-2
CN502	C-5	IC401	J-5	Q204	C-3	RV206	D-1
		IC402	H-4	Q208	A-1	RV400	J-6
		IC403	H-3	Q209	A-1	RV401	J-6
CV401	H-5	IC404	H-5	Q210	B-1	RV402	H-4
CV402	J-3	IC405	J-4	Q211	C-1	RV403	H-5
CV403	H-1	IC406	J-1	Q212	C-1	RV404	H-2
		IC407	H-4	Q219	C-2	RV405	H-2
D201	C-1	IC408	H-2	Q220	C-2	RV406	J-1
D202	F-2	IC409	J-7	Q221	D-1	RV407	H-5
D203	F-2	IC410	H-1	Q222	F-2	RV408	J-4
D204	G-1	IC411	J-1	Q223	G-2	RV410	H-4
D400	H-5	IC500	G-4	Q224	G-1	RV411	J-4
D505	D-6	IC502	F-4	Q225	G-1	RV412	H-1
D506	D-7	IC509	F-5	Q226	G-1	RV502	E-5
D509	F-6	IC510	D-5	Q227	G-2	RV503	E-5
D700	F-3	IC511	C-6	Q228	G-2	RV504	D-7
D802	D-4	IC512	D-6	Q229	G-2	RV505	D-7
D803	D-4	IC513	G-4	Q230	G-1	RV511	D-7
D804	C-4	IC514	F-4	Q400	J-6	RV512	D-5
D805	C-5	IC515	D-5	Q401	J-6		
D806	D-5	IC522	E-6	Q402	J-6	S500	E-7
D807	D-4	IC523	E-6	Q403	H-6		
		IC524	F-6	Q404	H-6	SL201	F-1
E1	B-7	IC525	F-6	Q405	J-6	SL801	E-4
E2	B-3	IC526	G-6	Q406	J-5	SL802	E-4
E3	A-3	IC533	E-6	Q407	J-4	SL803	E-4
E201	E-2	IC534	E-5	Q408	H-5	SL804	E-4
E203	H-1	IC541	G-5	Q409	J-5	SL806	E-4
E401	J-5	IC542	G-5	Q410	J-4		
E402	J-2	IC543	E-5	Q411	J-3	TH1	A-5
E801	E-4	IC544	G-6	Q412	J-4	TH2	A-5
		IC545	F-6	Q413	J-3	TH501	F-4
FB500	C-6	IC546	F-6	Q414	J-4		
		IC547	E-6	Q415	J-6	TP2	B-4
FL1	A-5	IC548	F-3	Q416	H-3	TP3	A-3
FL2	B-5	IC550	D-7	Q417	J-3	TP4	B-3
FL201	C-2	IC700	F-3	Q418	H-2	TP5	B-5
FL202	C-1	IC801	C-4	Q419	H-2	TP201	D-2
FL203	G-2	IC802	C-4	Q420	H-1	TP202	D-1
FL204	G-1	IC803	D-4	Q421	H-1	TP203	G-1
FL401	H-6	IC804	E-3	Q422	H-1	TP204	D-1
		IC805	D-4	Q423	H-1	TP205	D-2
IC1	A-6	IC901	G-4	Q424	H-1	TP301	F-3
IC2	A-4	IC902	F-3	Q425	J-5	TP302	F-3
IC3	A-6			Q426	J-6	TP303	E-3
IC4	C-4	LV400	J-3	Q427	J-2	TP401	J-6
IC5	B-3	LV401	J-2	Q428	H-6	TP402	H-3
IC6	C-3	LV801	D-3	Q429	H-6	TP403	H-2
IC7	B-4			Q430	J-1	TP500	F-4
IC8	C-5			Q431	H-2	TP504	G-4
IC9	C-6	Q1	B-7	Q500	G-4	TP505	E-7
IC10	C-6	Q2	A-6	Q501	D-7	TP508	H-5
IC11	B-6	Q3	A-5	Q502	G-4	TP600	D-7
IC101	A-3	Q4	A-4	Q503	H-5	TP601	D-7
IC200	A-2	Q5	A-4	Q801	D-4	TP801	E-3
IC201	B-2	Q6	A-4	Q802	D-4	TP802	C-5
IC202	B-2	Q7	A-4			TP803	D-4
IC203	A-1	Q8	A-4	RV1	A-6	TP804	F-4
IC204	B-1	Q9	A-3	RV2	A-5		
IC205	B-1	Q10	B-6	RV3	A-4	X1	B-5
IC206	C-3	Q11	B-5	RV4	B-7	X501	F-5
IC207	D-1	Q12	A-4	RV5	A-5		
IC208	E-2	Q14	B-4	RV6	B-4		
IC209	E-1	Q15	A-4	RV7	C-4		
IC210	E-1	Q16	A-4	RV8	B-4		
IC211	F-1	Q17	A-3	RV200	B-1		
IC212	D-2	Q18	B-3	RV201	A-2		
IC213	E-2	Q200	A-2				



DEC-42—COMPONENT SIDE—
1-625-947-11, 12
BVW-70
BVW-75
BVW-96



17-12 (a)

DEC-42; C DECODER/COMPRESSOR, Y SELECTOR

UC; S/N 14822 and higher
J; S/N 12029 and higher

REF. NO.	TYPE	PIN NO.					
		REG +12V	+9V	+5V	GND	-5V	-12V
IC 1	NJM1496M						14
IC 2	TC4053BF			16	6.8		*
IC 3	NJM1496M						14
IC 4	TL084CNS			4		11	
IC 5	TL084CNS			4		11	
IC 6	PC311G2			8	1	4	
IC 7	TC4053BF			16	8	16	
IC 8	SN74LS163ANS			16	8		
IC 9	MC10H124F			9	16	8	
IC 10	MC10H131F				1	8	
IC 11	MC10H113F				1.16	8	
IC 100	NJM78M09A	*	*	*	*	*	*
IC 101	NJM78L09A	*	*	*	*	*	*
IC 200	TL607CPS	8			1		5
IC 201	CX20061	1			5		
IC 202	CX20061	8			1		5
IC 203	TL607CPS	1			5		
IC 204	CX20061	1			5		
IC 205	CX20061	1			5		
IC 206	SBX4002-01	2.11			4.13		5.14
IC 207	SBX4002-01	2.11			4.13		5.14
IC 208	CXA1096M			13.17	18.12.15		
IC 209	CXA1096M			13.17	18.12.15		
IC 210	CXD1151Q			33.73	11.12		
IC 211	MB40778P		*	7.8	1.9		
IC 212	TL082CPS	8				4	
IC 213	TC74HC			4.5	1		
IC 214	TL607CPS	8					
IC 400	CX20061		1		5		
IC 401	CX20061		1		5		
IC 402	TC4053BF			16	8	7	*
IC 403	VA UNIT			6		7	
IC 404	TL084CNS			4		11	
IC 405	TC4052BF			16	6.8	7	
IC 406	VA UNIT			6		1	*
IC 407	NJM79L05A	*	*	*	1	*	*
IC 408	NJM79L05A	*	*	*	1	*	*
IC 409	NJM78L09A	*	*	*	1	*	*
IC 410	NJM78L09A	*	*	*	1	*	*
IC 411	CX20158			12.14	5.7.10	1	*
IC 500	TA7357AP		9		5		
IC 502	S-8053ALR			2	3		
IC 509	CX-7993A			19.43	6.31		
IC 510	MB4002PF	8			1	4	
IC 511	M5215L			3	5		
IC 512	PC311G2			8	1	4	
IC 513	TA7357AP		9		5		
IC 514	SN74LS221NS			16	8		
IC 515	MB4002PF	8			1	4	
IC 522	SN74LS221NS			16	8		
IC 523	SN74LS221NS			16	8		
IC 524	SN74LS221NS			16	8		
IC 525	SN74LS123NS			16	8		
IC 526	TC74HC74F			14	7		
IC 533	SN74LS221NS			16	8		
IC 534	SN74LS221NS			16	8		
IC 541	TC74HC32F			14	7		
IC 542	TC4030BF			14	7		
IC 543	TC74HC00F			14	7		
IC 544	TC74HC00F			14	7		
IC 545	TC74HC00F			14	7		
IC 546	TC74HC08F			14	7		
IC 547	TC74HC32F			14	7		
IC 548	TC74HC00F			14	7		
IC 550	TC74HC74F			14	7		
IC 801	BX1461	8			4	3	
IC 802	TL082CPS	8				4	
IC 803	MC10H125M			9	16	8	
IC 804	CXD1045AQ			17.39	6		
IC 901	SN74LS221NS			16	8		
IC 902	TC74HC74F			14	7		
IC 700	NJM78L09A	1			2		

* REFER TO SCHEMATIC

DEC-42(1-625-947-13)

CN112 C-7
CN113 F-7
CN501 G-7
CN502 D-5

CV401 H-6
CV402 J-4
CV403 H-2

D101 A-7
D201 C-2
D202 F-2
D203 G-2
D204 H-1
D400 H-5
D505 D-6
D506 D-7
D509 F-6
D700 F-3
D802 D-4
D804 D-4
D805 D-5
D807 E-4

E1 B-7
E2 B-3
E3 A-3
E201 E-3
E203 H-1
E401 J-5
E402 J-2
E801 E-5

FB500 C-7
FB701 C-4

FL1 A-5
FL2 B-5
FL201 C-2
FL202 C-1
FL203 G-2
FL401 H-6

IC1 A-6
IC2 A-4
IC3 B-6
IC4 C-4
IC5 B-3
IC6 C-3
IC7 B-4
IC8 C-5
IC9 C-6
IC10 C-6
IC11 B-6

IC101 A-3
IC200 A-2
IC201 B-2
IC202 B-2
IC203 A-1
IC204 B-1
IC205 B-1
IC206 C-3
IC207 D-1
IC208 E-2
IC209 E-2
IC210 F-2
IC211 G-1
IC212 D-2
IC213 E-3

IC214 C-2
IC400 J-6
IC401 J-5
IC402 H-4
IC403 H-4
IC404 H-5
IC405 J-4
IC406 J-1
IC407 H-4
IC408 H-2
IC409 J-7
IC410 H-1
IC411 J-1
IC500 H-4
IC502 F-4
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IC513 G-4
IC514 F-4
IC515 D-5
IC522 E-6
IC523 E-6
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IC525 G-6
IC526 G-6
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IC801 D-4
IC802 D-4
IC803 D-4
IC804 E-4
IC805 D-4
IC901 G-4
IC902 G-3

IC527 E-6
IC528 E-6
IC529 E-6
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IC531 E-6
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IC533 E-6
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IC902 G-3

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IC804 E-4
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IC902 G-3

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IC544 G-7
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IC546 F-7
IC547 E-7
IC548 F-3
IC550 D-7
IC700 F-3
IC801 D-4
IC802 D-4
IC803 D-4
IC804 E-4
IC805 D-4
IC901 G-4
IC902 G-3

Q202 B-3
Q203 C-3
Q204 C-3
Q208 A-1
Q209 A-1
Q210 B-2
Q211 C-1
Q212 C-1
Q219 C-2
Q220 C-2
Q221 D-2
Q222 F-2
Q223 G-2
Q224 G-1
Q225 G-1
Q226 G-1
Q227 G-2
Q400 J-6
Q401 J-6
Q402 J-6
Q403 H-6
Q404 H-6
Q405 J-6
Q406 J-5
Q407 J-5
Q408 H-5
Q409 J-5
Q410 J-4
Q411 J-4
Q412 J-4
Q413 J-3
Q414 J-4
Q415 J-6
Q416 H-3
Q417 J-3
Q418 H-2
Q419 J-2
Q420 H-1
Q421 H-1
Q422 H-1
Q423 H-1
Q424 H-1
Q425 J-5
Q426 J-5
Q427 J-2
Q428 H-7
Q430 J-1
Q431 H-2
Q500 G-4
Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

Q202 B-3
Q203 C-3
Q204 C-3
Q208 A-1
Q209 A-1
Q210 B-2
Q211 C-1
Q212 C-1
Q219 C-2
Q220 C-2
Q221 D-2
Q222 F-2
Q223 G-2
Q224 G-1
Q225 G-1
Q226 G-1
Q227 G-2
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Q401 J-6
Q402 J-6
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Q405 J-6
Q406 J-5
Q407 J-5
Q408 H-5
Q409 J-5
Q410 J-4
Q411 J-4
Q412 J-4
Q413 J-3
Q414 J-4
Q415 J-6
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Q417 J-3
Q418 H-2
Q419 J-2
Q420 H-1
Q421 H-1
Q422 H-1
Q423 H-1
Q424 H-1
Q425 J-5
Q426 J-5
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Q428 H-7
Q430 J-1
Q431 H-2
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Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

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Q224 G-1
Q225 G-1
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Q227 G-2
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Q422 H-1
Q423 H-1
Q424 H-1
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Q428 H-7
Q430 J-1
Q431 H-2
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Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

Q202 B-3
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Q212 C-1
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Q422 H-1
Q423 H-1
Q424 H-1
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Q431 H-2
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Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

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Q204 C-3
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Q210 B-2
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Q212 C-1
Q219 C-2
Q220 C-2
Q221 D-2
Q222 F-2
Q223 G-2
Q224 G-1
Q225 G-1
Q226 G-1
Q227 G-2
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Q420 H-1
Q421 H-1
Q422 H-1
Q423 H-1
Q424 H-1
Q425 J-5
Q426 J-5
Q427 J-2
Q428 H-7
Q430 J-1
Q431 H-2
Q500 G-4
Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

Q202 B-3
Q203 C-3
Q204 C-3
Q208 A-1
Q209 A-1
Q210 B-2
Q211 C-1
Q212 C-1
Q219 C-2
Q220 C-2
Q221 D-2
Q222 F-2
Q223 G-2
Q224 G-1
Q225 G-1
Q226 G-1
Q227 G-2
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Q406 J-5
Q407 J-5
Q408 H-5
Q409 J-5
Q410 J-4
Q411 J-4
Q412 J-4
Q413 J-3
Q414 J-4
Q415 J-6
Q416 H-3
Q417 J-3
Q418 H-2
Q419 J-2
Q420 H-1
Q421 H-1
Q422 H-1
Q423 H-1
Q424 H-1
Q425 J-5
Q426 J-5
Q427 J-2
Q428 H-7
Q430 J-1
Q431 H-2
Q500 G-4
Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

Q202 B-3
Q203 C-3
Q204 C-3
Q208 A-1
Q209 A-1
Q210 B-2
Q211 C-1
Q212 C-1
Q219 C-2
Q220 C-2
Q221 D-2
Q222 F-2
Q223 G-2
Q224 G-1
Q225 G-1
Q226 G-1
Q227 G-2
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Q402 J-6
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Q404 H-6
Q405 J-6
Q406 J-5
Q407 J-5
Q408 H-5
Q409 J-5
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Q412 J-4
Q413 J-3
Q414 J-4
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Q418 H-2
Q419 J-2
Q420 H-1
Q421 H-1
Q422 H-1
Q423 H-1
Q424 H-1
Q425 J-5
Q426 J-5
Q427 J-2
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Q802 D-4

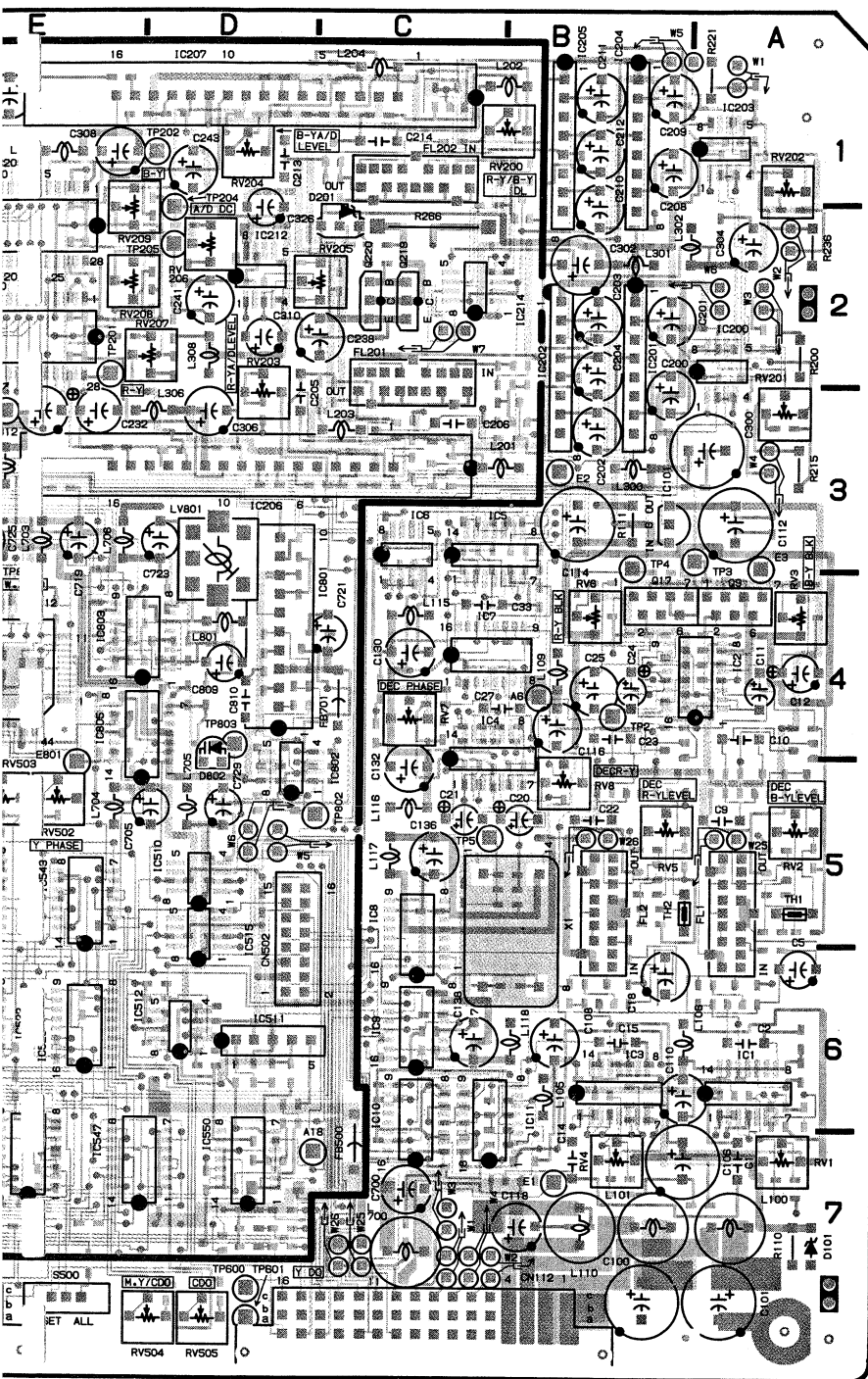
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Q204 C-3
Q208 A-1
Q209 A-1
Q210 B-2
Q211 C-1
Q212 C-1
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Q220 C-2
Q221 D-2
Q222 F-2
Q223 G-2
Q224 G-1
Q225 G-1
Q226 G-1
Q227 G-2
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Q401 J-6
Q402 J-6
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Q407 J-5
Q408 H-5
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Q412 J-4
Q413 J-3
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Q415 J-6
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Q417 J-3
Q418 H-2
Q419 J-2
Q420 H-1
Q421 H-1
Q422 H-1
Q423 H-1
Q424 H-1
Q425 J-5
Q426 J-5
Q427 J-2
Q428 H-7
Q430 J-1
Q431 H-2
Q500 G-4
Q501 D-7
Q502 G-4
Q503 H-5
Q801 D-4
Q802 D-4

RV206 D-2
RV207 D-2
RV208 E-2
RV209 E-2
RV400 J-7
RV401 J-6
RV402 H-4
RV403 H-5
RV404 H-3
RV405 H-2
RV406 J-1
RV407 H-6
RV408 J-4
RV410 H-4
RV411 J-4
RV412 H-2
RV502 E-5
RV503 E-5
RV504 D-7
RV505 D-7
RV511 E-5
RV512 G-5

RV206 D-2
RV207 D-2
RV208 E-2
RV209 E-2
RV400 J-7
RV401 J-6
RV402 H-4
RV403 H-5
RV404 H-3
RV405 H-2
RV406 J-1
RV407 H-6
RV408 J-4
RV410 H-4
RV411 J-4
RV412 H-2
RV502 E-5
RV503 E-5
RV504 D-7
RV505 D-7
RV511 E-5
RV512 G-5

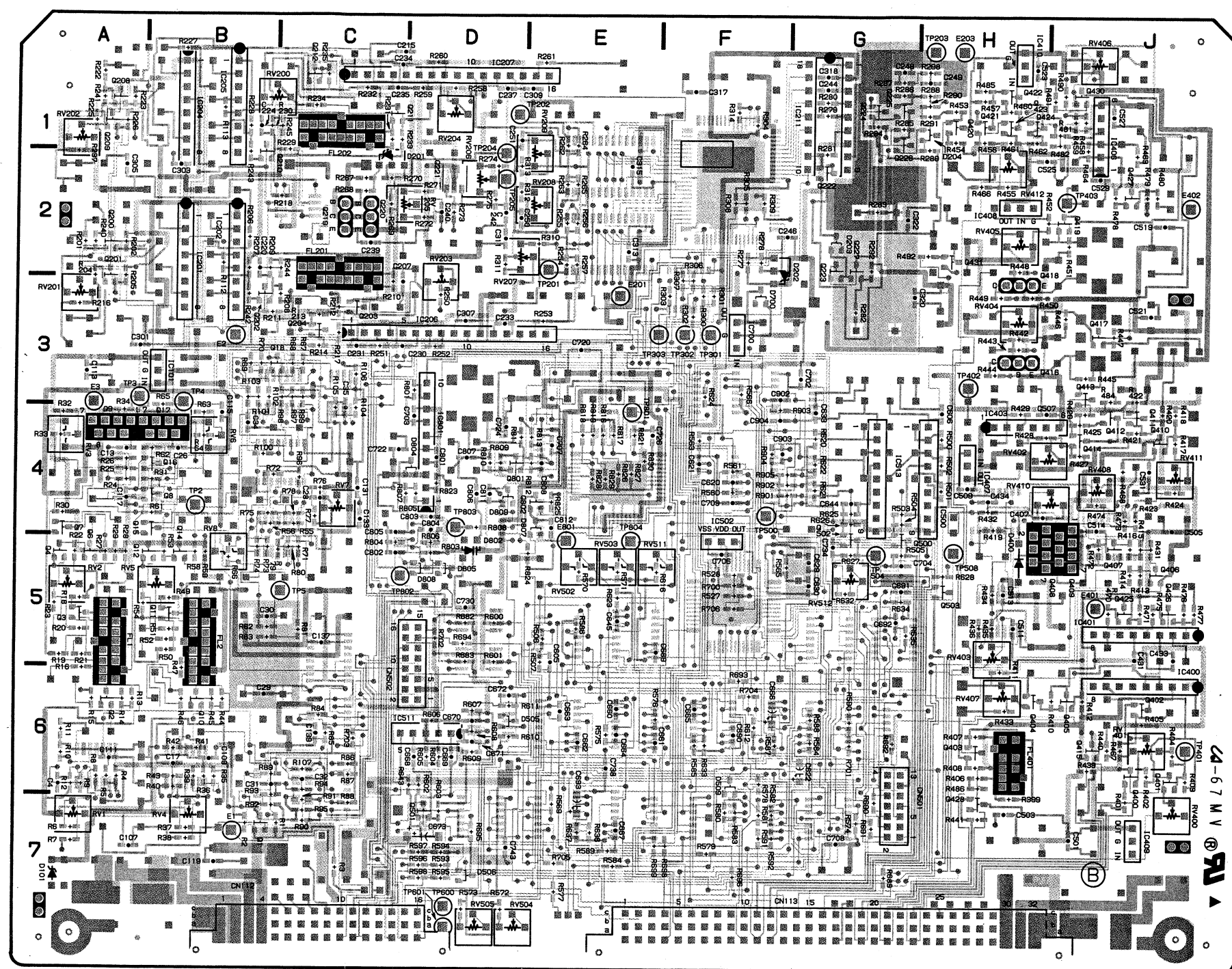
RV206 D-2
RV207 D-2
RV208 E-2
RV209 E-2
RV400 J-7
RV401 J-6
RV402 H-4

2 and higher
9 and higher



DEC-42—COMPONENT SIDE—
1-625-947-13
BVW-70
BVW-75
BVW-96

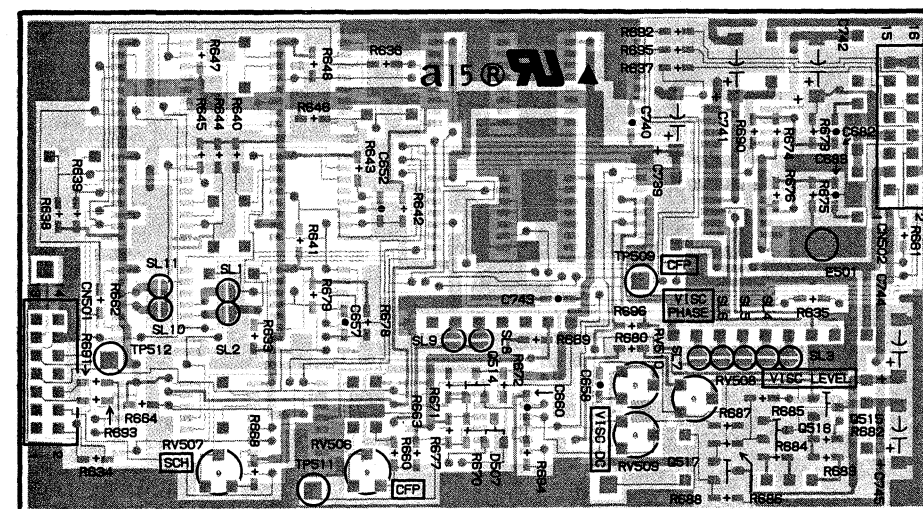
17-11 (b)



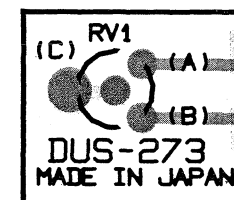
DEC-42—SOLDERING SIDE—
1-625-947-13
BVW-70
BVW-75
BVW-96

17-12 (b)

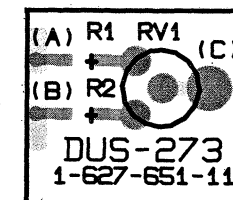
CF-36 - COMPONENT SIDE -
1-625-948-11
BVW-70
BVW-75
BVW-96



CF-36 -SOLDERING SIDE-
1-625-948-11
BVW-70
BVW-75
BVW-96



DUS-273 - COMPONENT SIDE -
1 - 627 - 651-11
BVW -70
BVW -75
BVW -96



DUS-273 -SOLDERING SIDE-
1-627-651-11
BVW-70
BVW-75
BVW-96

MD-46; Y/C MODULATOR
DUS-272Y/272C; Y/C NON-LINER PREEMPHASIS

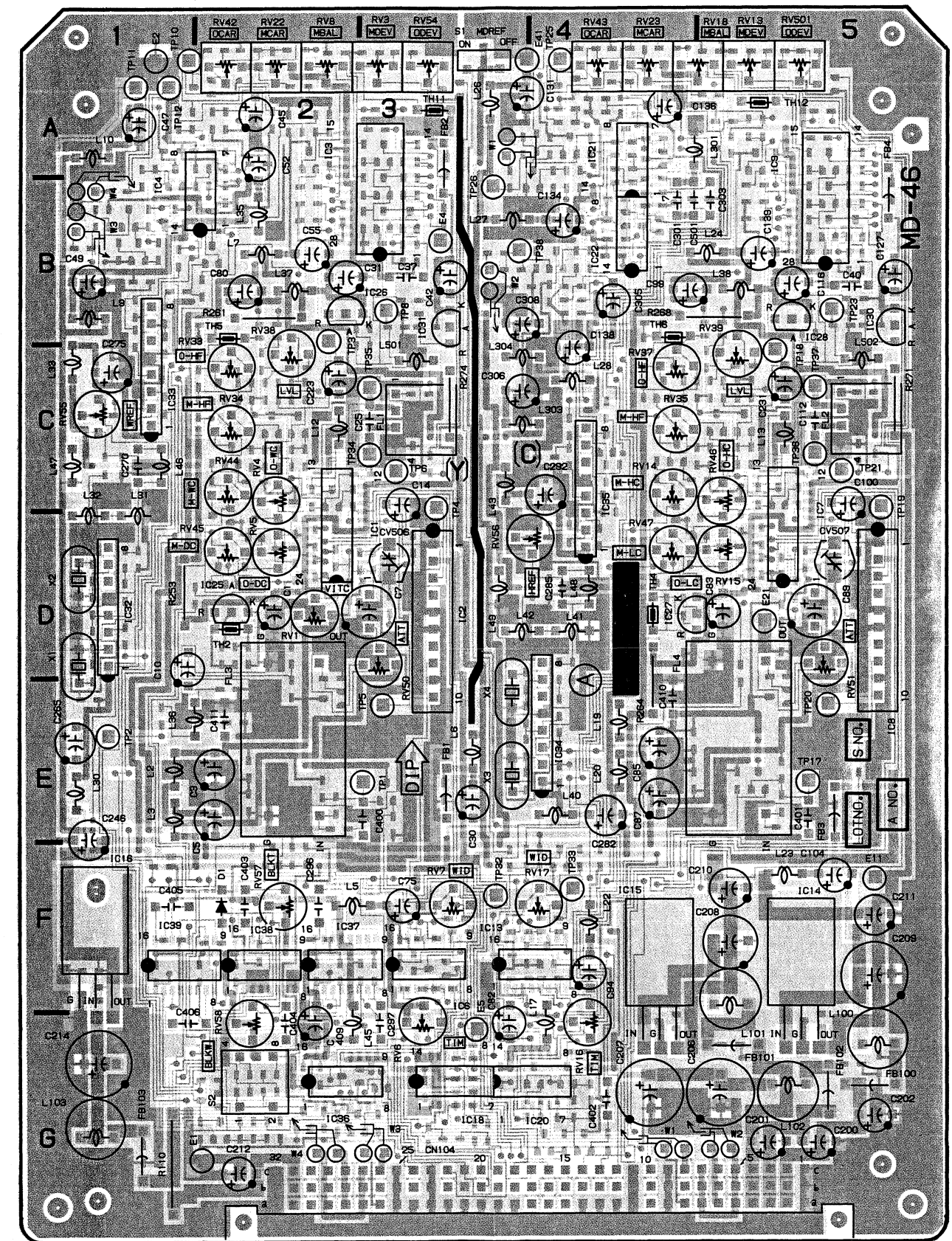
MD-46(1-622-544-14, 15, 16)

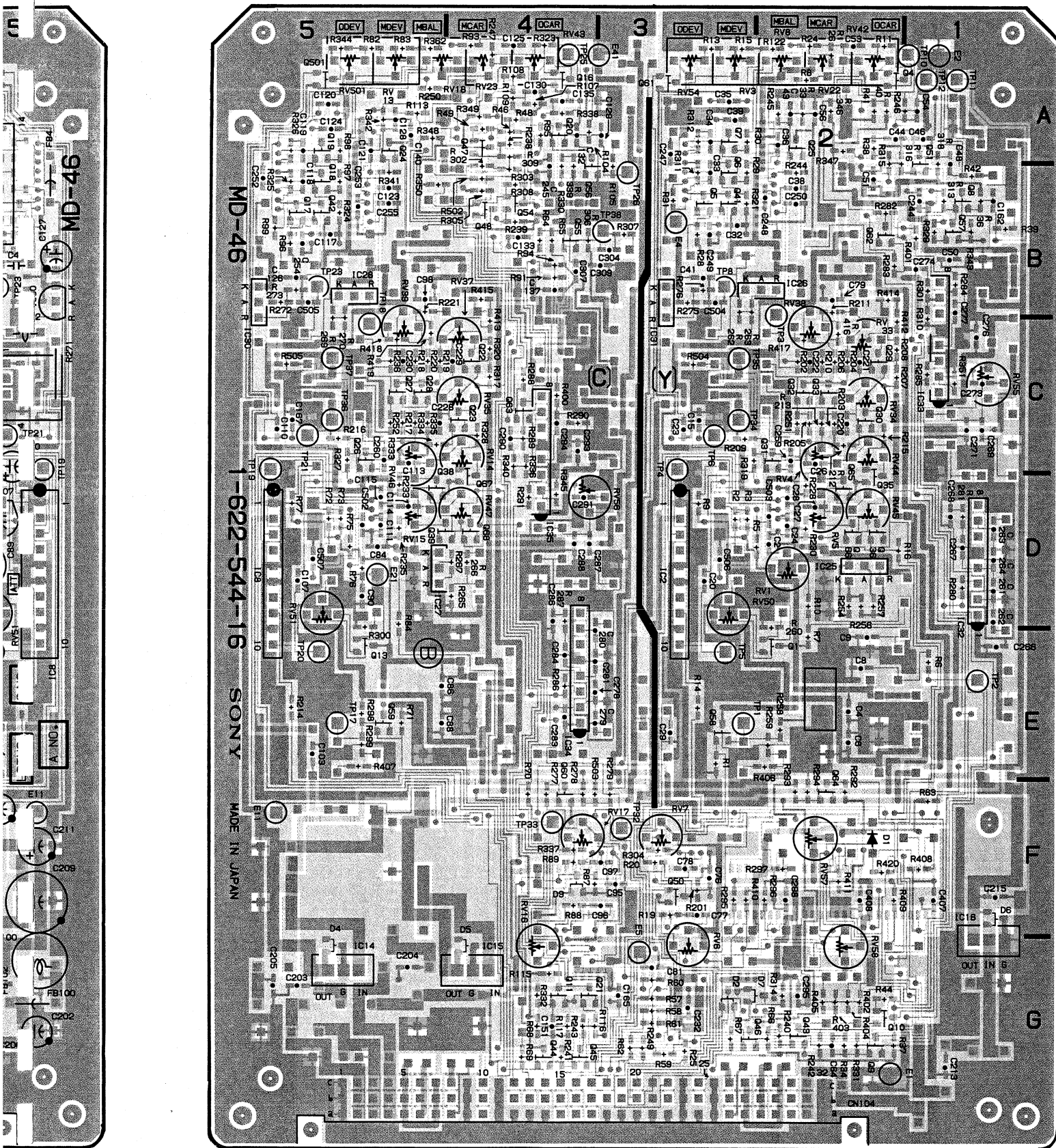
REF. NO.	TYPE	PIN NO.				
		+12V	+9V	+5V	GND	-5V
IC 1	CXA1040M	24			15	
IC 3	CXA1041M	15.17	13		19	
IC 4	CX20158			12	5.7.10	1
IC 6	SN74LS221NS			16	8	
IC 7	CXA1040M	24			15	
IC 9	CXA1041M	15.17	13		19	
IC 13	SN74LS221NS			16	8	
IC 14	NJM78M09A	*	*	*	*	*
IC 15	NJM78M05A	*	*	*	*	*
IC 16	PC7905H	*	*	*	*	*
IC 18	TC74HC00F			14	7	
IC 20	TC74HC08F			14	7	
IC 21	CX20158			12	5.7.10	1
IC 22	CX20158			12	5.7.10	1
IC 25	TL431CLPB	*	*	*	*	*
IC 26	TL431CLPB	*	*	*	*	*
IC 27	TL431CLPB	*	*	*	*	*
IC 28	TL431CLPB	*	*	*	*	*
IC 30	TL431CLPB	*	*	*	*	*
IC 31	TL431CLPB	*	*	*	*	*
IC 32	CX20061	1			5	
IC 33	CX20061	1			5	
IC 34	CX20061	1			5	
IC 35	CX20061	1			5	
IC 36	MC14557BF			16	8	
IC 37	SN74LS221NS			16	8	
IC 38	SN74LS221NS			16	8	
IC 39	SN74LS221NS			16	8	

* REFER TO SCHEMATIC

MD-46(1-622-544-14, 15, 16)

CN104	G-3	Q22	C-4	RV55	C-1
CV506	D-3	Q23	C-4	RV56	D-4
CV507	D-5	Q24	A-5	RV57	F-2
		Q25	A-2	RV58	G-2
		Q26	C-5	RV501	A-5
D1	F-2	Q27	C-5		
D2	G-3	Q28	C-5	S1	A-3
D4	G-5	Q29	C-2	S2	G-2
D5	G-4	Q30	C-3		
D6	F-1	Q31	C-2	TH2	D-2
D7	G-2	Q32	C-2	TH4	D-4
D9	F-4	Q33	C-2	TH5	B-2
		Q35	D-2	TH6	B-4
		Q36	D-2		
E1	G-2	Q38	D-5	TP1	E-3
E2	A-1	Q39	D-4	TP2	E-1
E4	B-3	Q41	B-3	TP3	B-2
E5	G-3	Q42	B-5	TP4	C-3
E11	F-5	Q43	G-2	TP5	E-3
E21	D-5	Q44	G-4	TP6	C-3
E41	A-3	Q45	G-4	TP8	B-3
		Q46	G-2	TP10	A-1
FL1	C-3	Q47	A-4	TP11	A-1
FL2	C-5	Q48	B-4	TP12	A-1
FL3	E-2	Q50	F-3	TP17	E-5
FL4	E-5	Q51	A-1	TP18	C-5
IC1	D-2	Q54	B-4	TP19	C-5
IC2	D-3	Q55	B-4	TP20	E-5
IC3	B-3	Q56	B-4	TP21	C-5
IC4	B-2	Q57	B-1	TP23	B-5
IC6	F-3	Q58	E-3	TP25	A-4
IC7	D-5	Q59	E-5	TP26	B-3
IC8	D-5	Q60	F-4	TP32	F-3
IC9	B-5	Q61	A-3	TP33	F-4
IC13	F-4	Q62	B-2	TP34	C-3
IC14	F-5	Q63	C-4	TP35	C-3
IC15	F-4	Q64	F-2	TP36	C-5
IC16	F-1	Q65	D-2	TP37	C-5
IC18	G-3	Q66	D-2	TP38	B-3
IC20	G-4	Q67	D-4		
IC21	A-4	Q68	D-4	X1	D-1
IC22	B-4	Q501	A-5	X2	D-1
IC25	D-2			X3	E-3
IC26	B-2	RV1	D-2	X4	E-3
IC27	D-4	RV3	A-3		
IC28	B-5	RV4	C-2		
IC30	B-5	RV5	D-2		
IC31	B-3	RV6	G-3		
IC32	D-1	RV7	F-3		
IC33	C-1	RV8	A-2		
IC34	E-4	RV13	A-5		
IC35	C-4	RV14	C-4		
IC36	G-2	RV15	D-5		
IC37	F-2	RV16	G-4		
IC38	F-2	RV17	F-4		
IC39	F-1	RV18	A-5		
		RV22	A-2		
Q1	E-2	RV23	A-4		
Q3	A-3	RV33	C-2		
Q4	A-2	RV34	C-2		
Q5	B-3	RV35	C-4		
Q6	B-3	RV37	C-4		
Q7	A-3	RV38	C-2		
Q8	B-1	RV39	C-5		
Q9	G-2	RV42	A-2		
Q10	G-2	RV43	A-4		
Q11	G-4	RV44	C-2		
Q13	E-5	RV45	D-2		
Q16	A-4	RV46	C-5		
Q17	B-5	RV47	D-4		
Q18	B-5	RV50	D-3		
Q19	A-5	RV51	D-5		
Q20	A-4				
Q21	G-4				

MD-46—COMPONENT SIDE—
1-622-544-14, 15, 16
BVW-70
BVW-75
BVW-96



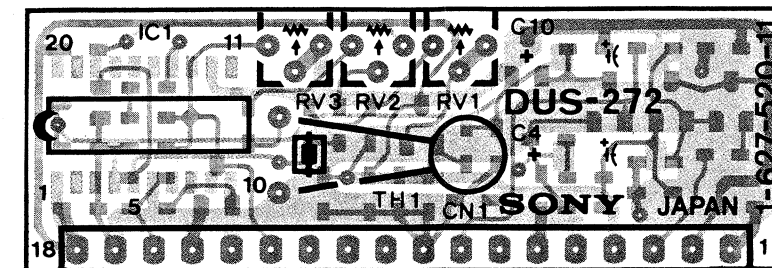
ONENT SIDE—

MD-46—SOLDERING SIDE—

1-622-544-14, 15, 16
BVW-70
BVW-75
BVW-96

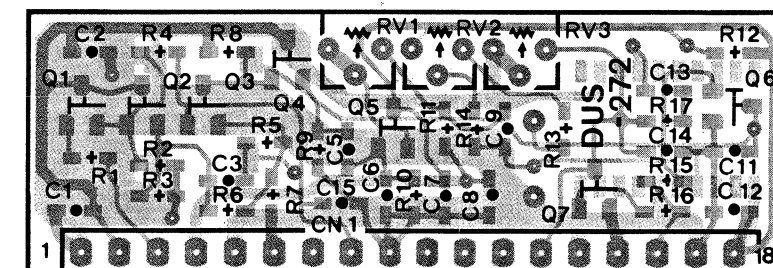
17-23

UC; Up to S/N 14368
J; Up to S/N 11668



DUS-272Y / 272C -COMPONENT SIDE-

1-627-520-11
BVW-70
BVW-75
BVW-96



DUS-272Y/272C –SOLDERING SIDE–

1-627-520-11
BVW-70
BVW-75
BVW-96

17-24

RP-29(Y) (1-622-551-13,14)

REF.NO	TYPE	PIN NO.		
		+12V	GND	-5V
IC 1	BH1806	2	5	6
IC 2	BH1806	2	5	6
IC 3	BH1802	*	6	
IC 4	BH1802	*	6	
IC 5	CX20061	*	5	
IC 6	CX20061	*	5	
IC 7	TC4009UBP	1.16	8	
IC 8	TC4009UBP	1.16	8	

* REFER TO SCHEMATIC

RP-29(C) (1-622-551-23,24)

REF.NO	TYPE	PIN NO.		
		+12V	GND	-5V
IC 101	BH1806	2	5	6
IC 102	BH1806	2	5	6
IC 103	BH1802	*	6	
IC 104	BH1802	*	6	
IC 105	CX20061	*	5	
IC 106	CX20061	*	5	
IC 107	TC4009UBP	1.16	8	
IC 108	TC4009UBP	1.16	8	

* REFER TO SCHEMATIC

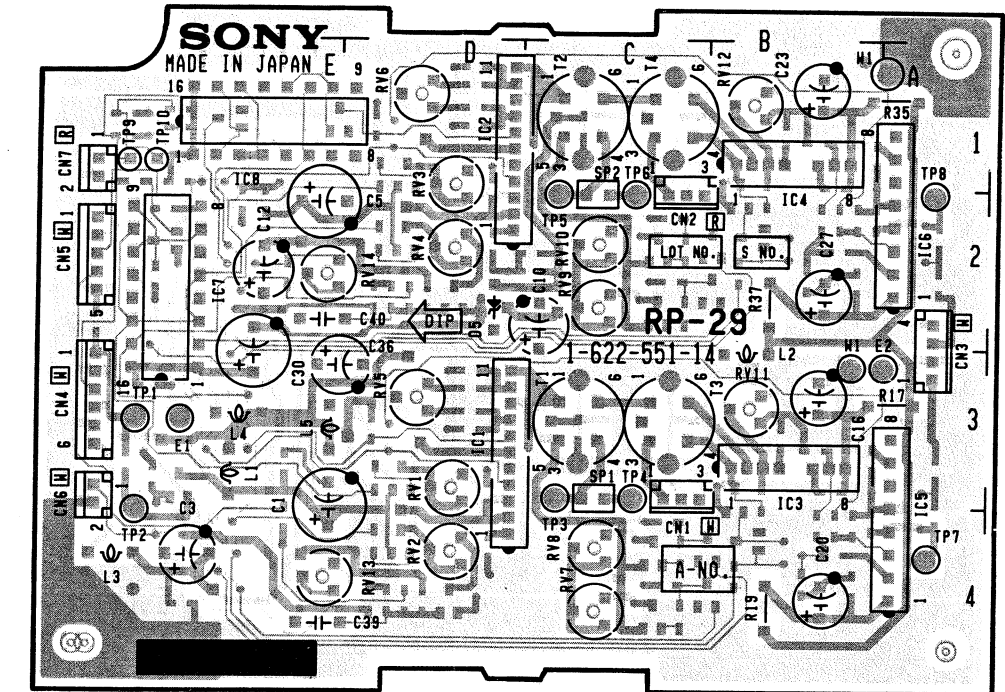
RP-29 (C) ; C REC/PB AMPLIFIER
RP-29 (Y) ; Y REC/PB AMPLIFIER

RP-29(Y) (1-622-551-13,14)

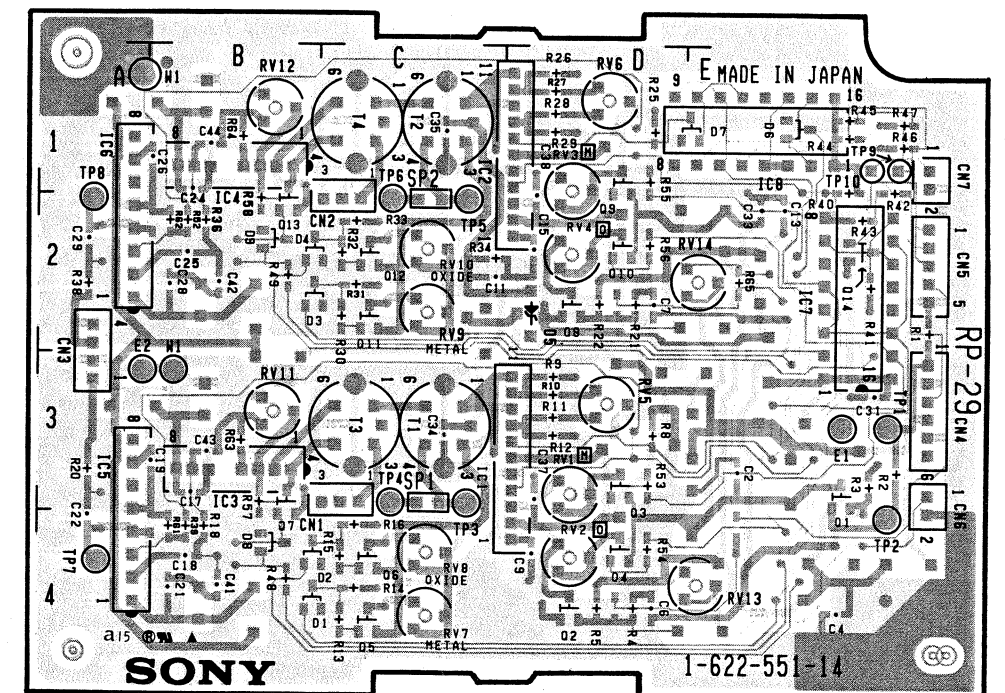
CN1	C-2	SP1	C-3
CN2	C-2	SP2	C-1
CN3	A-3		
CN4	E-3	SS1	C-3
CN5	E-2	SS2	C-1
CN6	E-4		
CN7	E-1	T1	C-3
		T2	C-1
D1	B-4	T3	B-3
D2	C-4	T4	C-1
D3	B-2		
D4	B-2	TP1	E-3
D5	D-2	TP2	E-4
D6	E-1	TP3	C-4
D7	E-1	TP4	C-3
D8	B-4	TP5	C-2
D9	B-2	TP6	C-1
		TP7	A-4
E1	E-3	TP8	A-1
E2	A-2	TP9	E-1
		TP10	E-1
IC1	D-3		
IC2	D-1		
IC3	B-3		
IC4	B-2		
IC5	A-3		
IC6	A-2		
IC7	E-2		
IC8	E-1		
Q1	E-4		
Q2	D-4		
Q3	D-3		
Q4	D-4		
Q5	C-4		
Q6	C-4		
Q7	B-4		
Q8	D-2		
Q9	D-2		
Q10	D-2		
Q11	C-2		
Q12	C-2		
Q13	B-2		
Q14	E-2		
RV1	D-3		
RV2	D-4		
RV3	D-1		
RV4	D-2		
RV5	D-3		
RV6	D-1		
RV7	C-4		
RV8	C-4		
RV9	C-2		
RV10	C-2		
RV11	B-3		
RV12	B-1		
RV13	D-4		
RV14	D-2		

RP-29(C) (1-622-551-23,24)

CN101	C-3	SP101	C-3
CN102	C-2	SP102	C-1
CN103	A-2		
CN104	E-3	SS101	C-3
CN105	E-2	SS102	C-1
CN106	E-3		
CN107	E-1	T101	C-3
		T102	C-1
D101	B-4	T103	C-3
D102	B-4	T104	C-1
D103	B-2		
D104	B-2	TP101	E-3
D105	D-2	TP102	E-4
D106	E-1	TP103	C-3
D107	E-1	TP104	C-3
D108	B-4	TP105	C-2
D109	B-2	TP106	C-1
		TP107	A-4
E101	E-3	TP108	A-1
E102	A-2	TP109	E-1
		TP110	E-1
IC101	D-3		
IC102	D-1		
IC103	B-3		
IC104	B-1		
IC105	A-3		
IC106	A-2		
IC107	E-2		
IC108	E-1		
Q101	E-4		
Q102	D-4		
Q103	D-3		
Q104	D-4		
Q105	C-4		
Q106	C-4		
Q107	B-4		
Q108	D-2		
Q109	D-2		
Q110	D-2		
Q111	C-2		
Q112	C-2		
Q113	B-2		
Q114	E-2		
RV101	D-3		
RV102	D-4		
RV103	D-1		
RV104	D-2		
RV105	D-3		
RV106	D-1		
RV107	C-4		
RV108	C-4		
RV109	C-2		
RV110	C-2		
RV111	B-3		
RV112	B-1		
RV114	D-2		



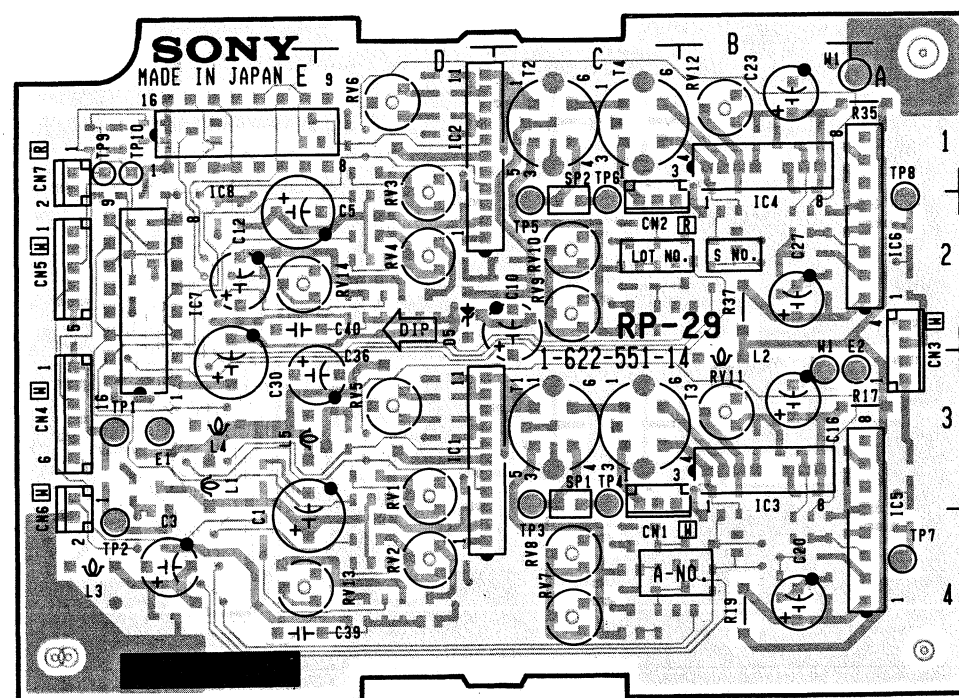
RP-29 (Y)—COMPONENT SIDE—
1-622-551-13, 14
BVW-70
BVW-75
BVW-96



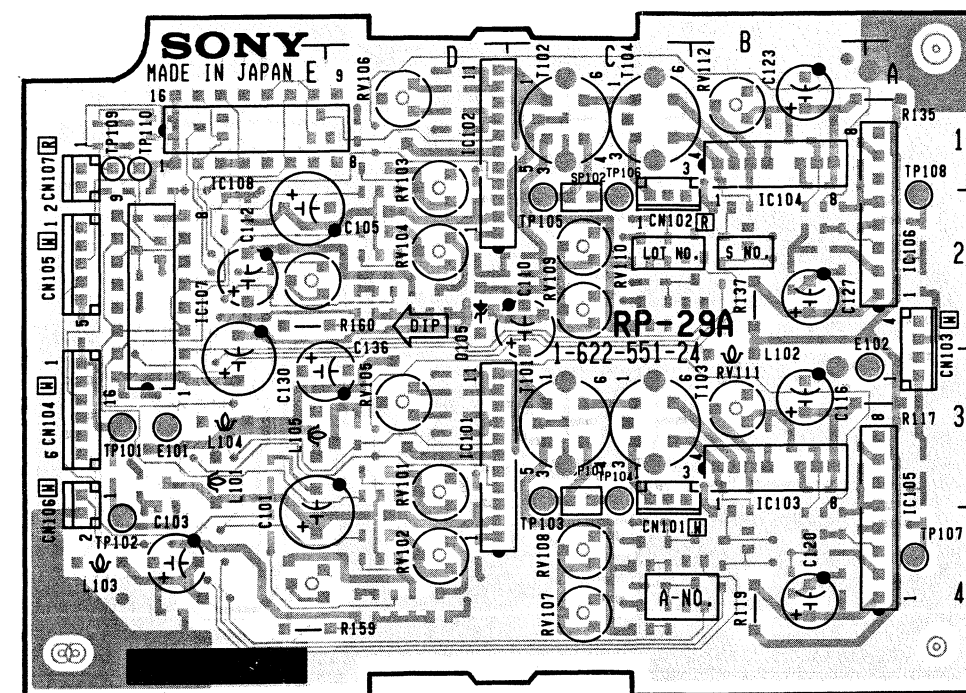
RP-29 (Y)—SOLDERING SIDE—
1-622-551-13, 14
BVW-70
BVW-75
BVW-96

RP-29 (C) ; C REC/PB AMPLIFIER
RP-29 (Y) ; Y REC/PB AMPLIFIER

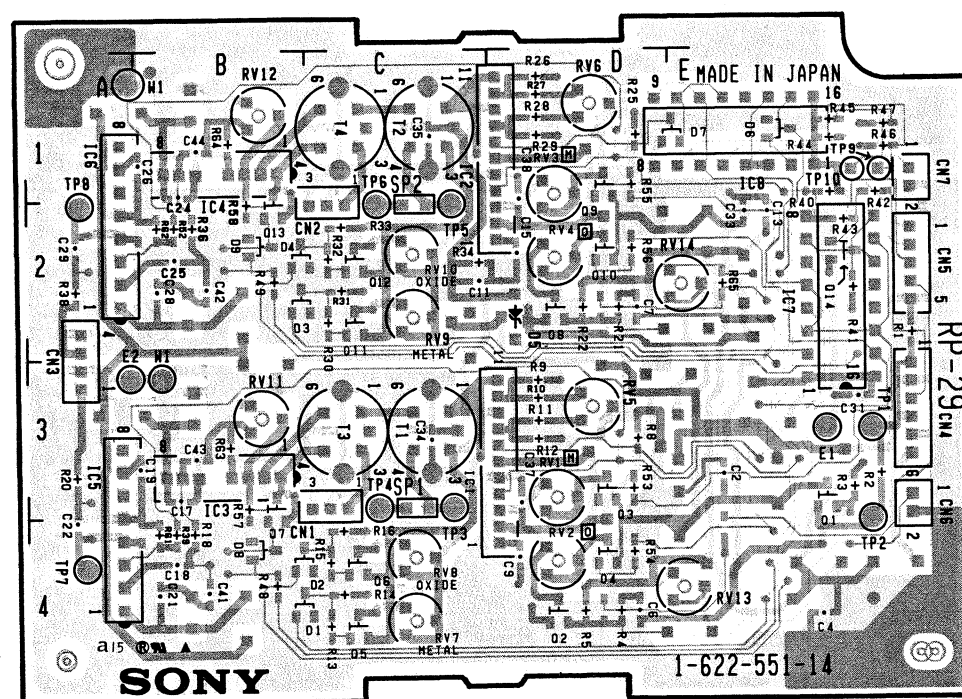
-5V
6
6
SCHEMATIC



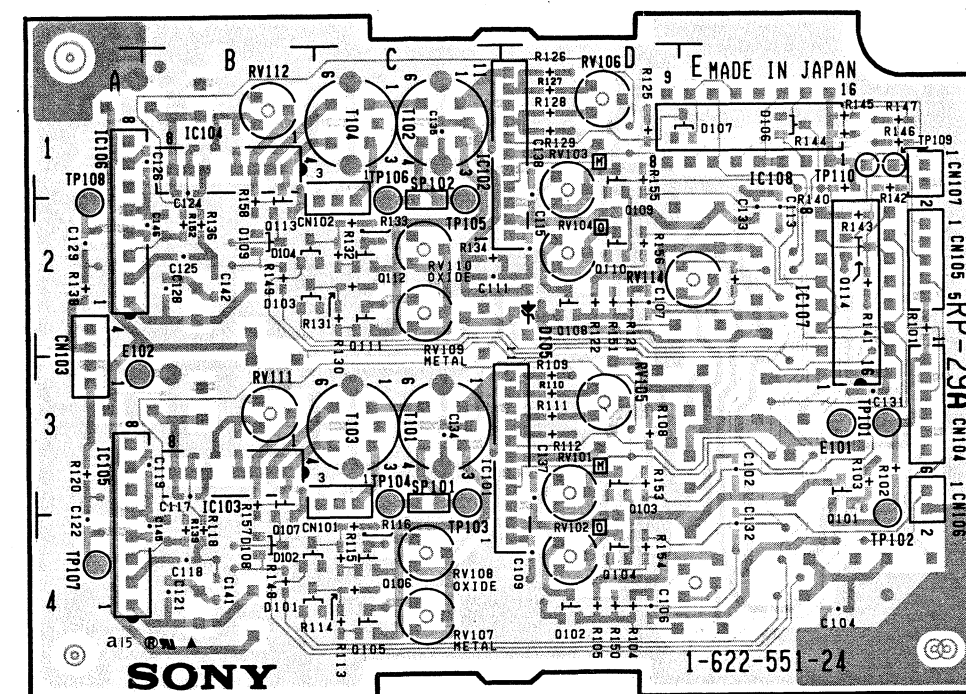
RP-29 (Y)—COMPONENT SIDE—
1-622-551-13, 14
BVW-70
BVW-75
BVW-96



RP-29 (C)—COMPONENT SIDE—
1-622-551-23, 24
BVW-70
BVW-75
BVW-96



RP-29 (Y)—SOLDERING SIDE—
1-622-551-13, 14
BVW-70
BVW-75
BVW-96



RP-29 (C)—SOLDERING SIDE—
1-622-551-23, 24
BVW-70
BVW-75
BVW-96

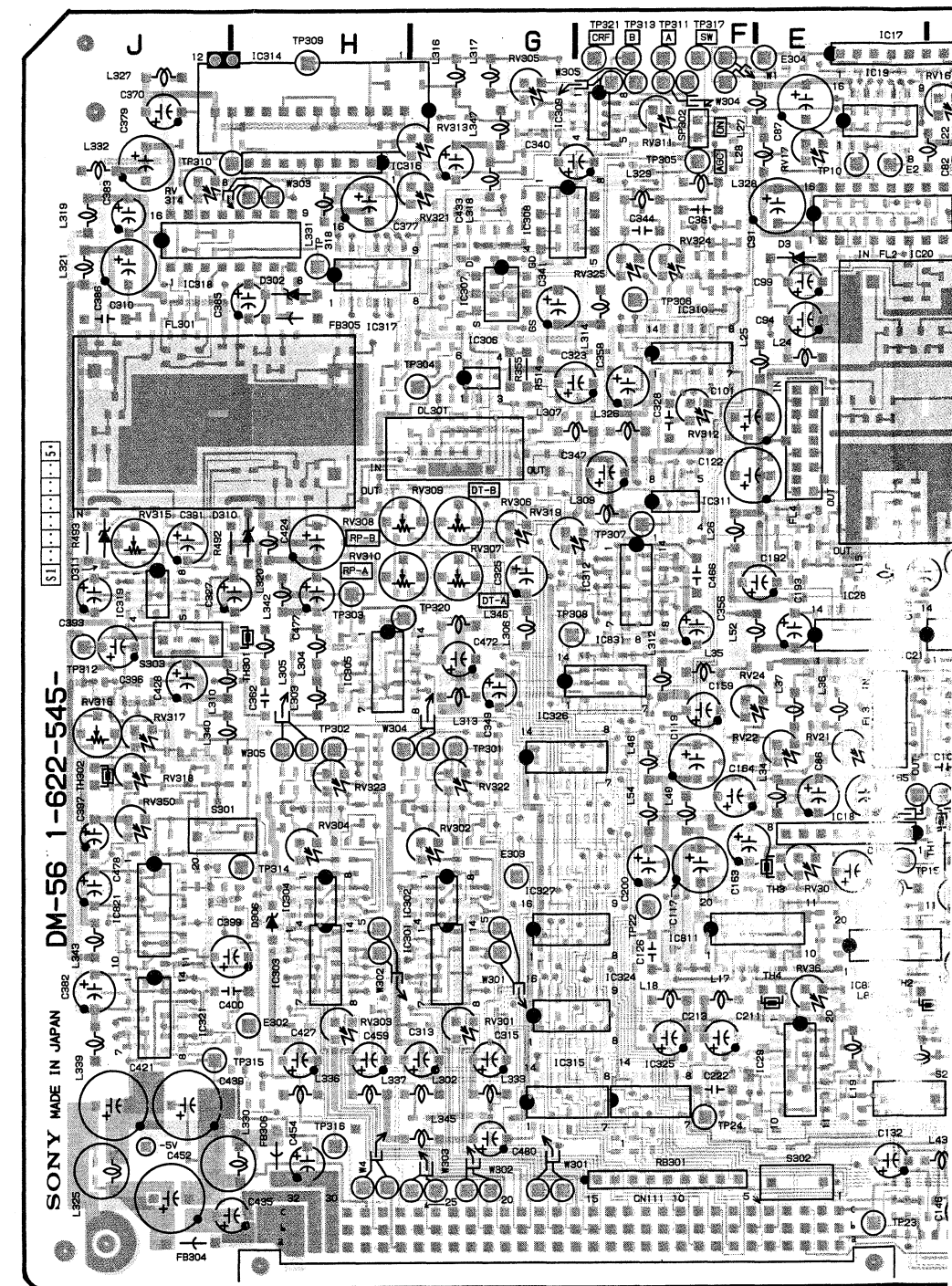
DM-56 (1-622-545-15,16)

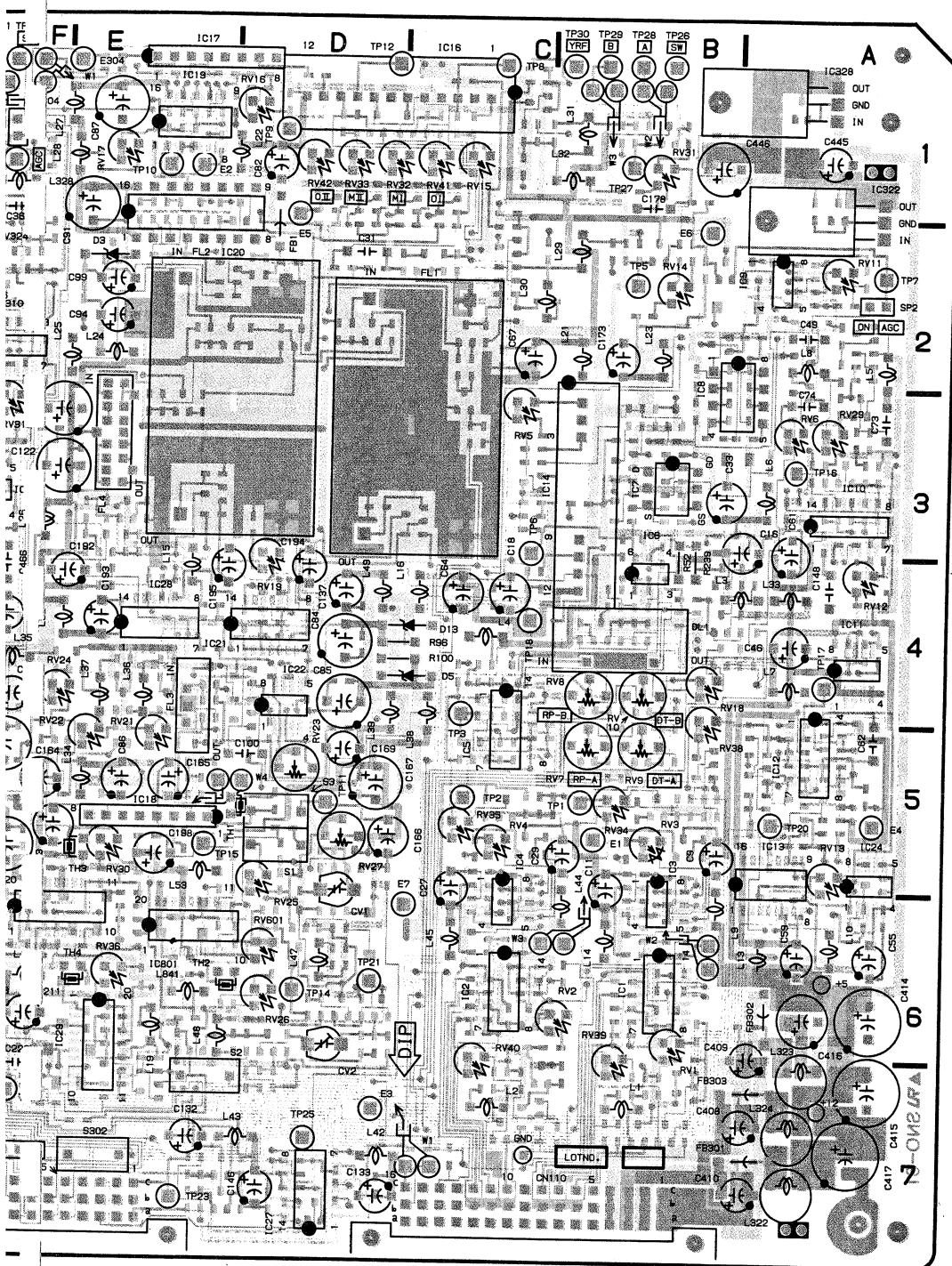
REF. NO.	TYPE	PIN NO.						
		+12V	+9V	+5V	REG +5V	GND	-5V	-12V
IC 1	CX20158			12		5.7.10	1	
IC 2	CX20158			12		5.7.10	1	
IC 3	μPC1663G			6			3	
IC 4	μPC1663G			6			3	
IC 5	CX20158			12		5.7.10	1	
IC 8	SN16913P	8				4		
IC 9	NJM4558M	8						4
IC 10	NJM1496M							14
IC 11	TL082CPS	8					4	
IC 12	SN75107AN			14		7	13	
IC 13	TC4053BF		12	16		8		
IC 14	BX-1098					3.9.10		
IC 16	HF UNIT			12		1.5.10		
IC 17	CX20061	1				5		
IC 18	CX20061	1				5		
IC 19	MC10H116M				1.16	8		
IC 20	MC10198L				1.16	8		
IC 21	CX20158			12		5.7.10	1	
IC 22	μPC1663G	6						3
IC 24	TL082CPS	8					4	
IC 27	CX20158			12		5.7.10	1	
IC 28	CX20158			12		5.7.10	1	
IC 301	CX20158			12		5.7.10	1	
IC 302	μPC1663G			6			3	
IC 303	CX20158			12		5.7.10	1	
IC 304	μPC1663G			6			3	
IC 305	CX20158			12		5.7.10	1	
IC 308	SN16913P	8				4		
IC 309	NJM4558M							4
IC 310	NJM1496M							14
IC 311	TL082CPS	8					4	
IC 312	SN75107AN			14		7	13	
IC 314	HF UNIT			12		1.5.10		
IC 315	TC74HC08F			14		5		
IC 316	CX20061	1				5		
IC 317	MC10H116M				1.16	8		
IC 318	MC10198L				1.16	8		
IC 319	μPC1663G			6			3	
IC 321	CX20158			12		5.7.10	1	
IC 322	NJM7809A	*	*	*		*	*	*
IC 324	TC74HC4049F			1		8		
IC 325	TC74HC08F			14		7		
IC 326	TC74HC08F			14		7		
IC 327	TC74HC4050F			1		8		
IC 328	NJM7805A	*	*	*		*	*	*
IC 801	CXA1039M		1			6.10.12		
IC 811	CXA1039M		1			6.10.12		
IC 821	CXA1039M		1			6.10.12		
IC 831	SN74LS06NS			14		7		

* REFER TO SCHEMATIC

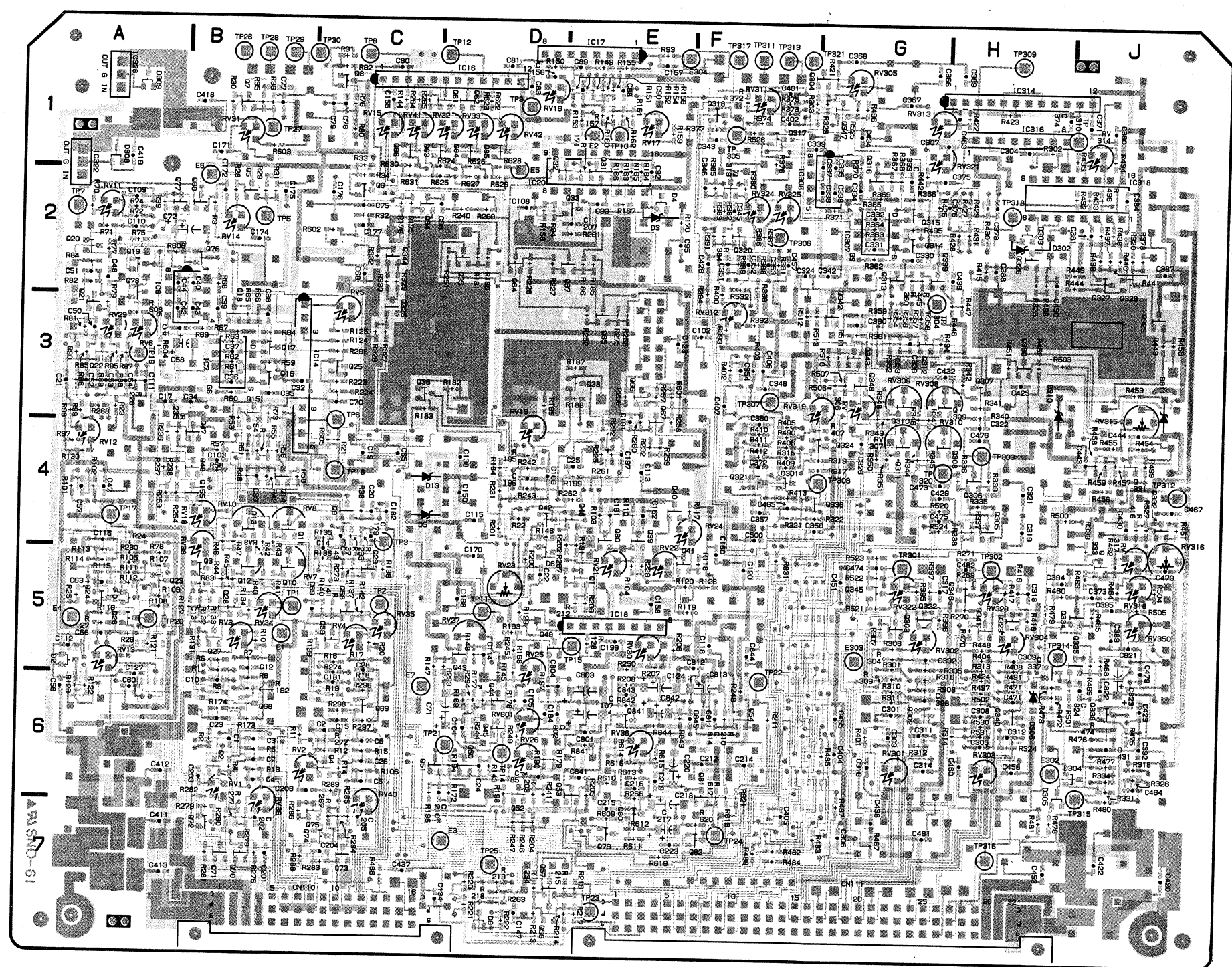
DM-56 (1-622-545-15,16)

CN110	B-7	IC27	D-7	Q43	D-5	Q335	J-5	RV319	F-3
CN111	E-7	IC28	E-4	Q44	D-6	Q336	G-4	RV321	G-2
		IC29	E-6	Q45	D-6	Q338	J-6	RV322	G-5
CV1	D-6	IC301	G-6	Q46	E-4	Q339	G-2	RV323	H-5
CV2	D-7	IC302	G-6	Q47	B-4	Q340	H-6	RV324	F-2
		IC303	H-6	Q48	B-4	Q341	H-5	RV325	F-2
D1	A-5	IC304	H-5	Q49	E-5	Q342	G-3	RV350	J-5
D2	A-5	IC305	H-4	Q50	D-6	Q343	G-3	RV601	D-6
D3	E-2	IC306	G-2	Q51	D-6	Q344	C-2		
D4	E-2	IC307	G-2	Q52	D-6	Q345	G-5	S1	D-5
D5	C-4	IC308	F-2	Q53	E-6	Q346	H-5	S2	E-7
D6	D-4	IC309	F-1	Q54	F-6	Q347	G-1	S3	D-5
D9	D-7	IC310	F-2	Q56	D-7	Q348	G-3	S301	H-5
D13	O-4	IC311	F-3	Q57	D-7	Q841	E-6	S302	E-7
D301	F-4	IC312	F-4	Q58	C-5			S303	J-4
D302	H-2	IC314	H-1	Q59	C-5	RB301	F-6		
D303	H-2	IC315	F-6	Q60	B-2			SP2	A-2
D304	J-6	IC316	H-1	Q61	D-1	RV1	B-6	SP302	F-1
D305	J-6	IC317	H-2	Q62	D-1	RV2	B-6		
D306	H-6	IC318	J-2	Q64	D-2	RV3	B-5	TH1	D-5
D308	A-1	IC319	J-4	Q65	E-3	RV4	C-5	TH2	D-6
D309	A-1	IC321	J-6	Q66	E-3	RV5	C-3	TH3	E-5
D310	H-3	IC322	A-2	Q67	E-3	RV6	A-3	TH4	E-6
D311	J-3	IC324	F-6	Q68	B-6	RV7	B-5	TH301	H-4
		IC325	F-6	Q69	C-6	RV8	B-4	TH302	H-5
DL1	B-4	IC326	F-5	Q70	B-7	RV9	B-5		
DL301	G-3	IC327	G-6	Q71	B-7	RV10	B-4	TP1	B-5
		IC328	A-1	Q72	B-7	RV11	A-2	TP2	C-5
F1	B-5	IC801	E-6	Q73	C-7	RV12	A-4	TP3	C-5
E2	E-1	IC811	F-6	Q74	C-7	RV13	A-5	TP5	B-2
E3	D-7	IC821	J-5	Q75	C-7	RV14	B-2	TP6	C-3
E4	A-5	IC831	F-4	Q76	B-2	RV15	C-1	TP7	A-2
E5	D-1			Q77	A-2	RV16	D-1	TP8	C-1
E6	B-2	Q1	E-5	Q78	A-2	RV17	E-1	TP9	D-1
E7	C-6	Q2	B-6	Q79	E-7	RV18	B-4	TP10	E-1
E302	H-6	Q3	B-5	Q80	E-7	RV19	D-4	TP11	D-5
E303	G-5	Q4	C-6	Q81	F-6	RV21	E-5	TP12	D-1
E304	E-1	Q5	C-3	Q82	F-7	RV22	E-5	TP14	D-6
		Q6	C-2	Q83	C-1	RV23	D-5	TP15	E-5
FB1	D-2	Q7	B-1	Q84	D-1	RV24	F-4	TP16	A-3
FB301	B-6	Q8	C-1	Q85	D-1	RV25	D-6	TP17	A-4
FB302	A-6	Q9	C-4	Q86	C-1	RV26	D-6	TP18	C-4
FB303	B-6	Q10	B-5	Q155	B-4	RV27	D-5	TP20	A-5
FB304	J-7	Q11	B-4	Q302	G-5	RV29	A-3	TP21	D-6
FB305	H-2	Q12	A-4	Q303	G-5	RV30	E-5	TP22	F-6
FB306	H-7	Q13	B-4	Q304	G-1	RV31	B-1	TP23	E-7
		Q14	B-4	Q305	H-4	RV32	D-1	TP24	F-7
FL1	C-2	Q15	B-3	Q306	H-4	RV33	D-1	TP25	D-7
FL2	E-2	Q16	B-3	Q307	H-3	RV34	B-5	TP26	B-1
FL3	E-4	Q17	B-3	Q308	H-4	RV35	C-5	TP27	B-1
FL4	E-3	Q18	B-3	Q309	H-3	RV36	E-6	TP28	B-1
FL301	J-2	Q19	A-2	Q310	G-3	RV38	B-5	TP29	B-1
		Q20	A-2	Q311	G-4	RV39	B-6	TP30	B-1
IC1	B-6	Q21	A-3	Q312	G-3	RV40	C-6	TP301	G-5
IC2	C-6	Q22	A-3	Q313	G-1	RV41	C-1	TP302	H-5
IC3	B-6	Q23	A-5	Q314	G-2	RV42	D-1	TP303	H-4
IC4	C-6	Q24	A-5	Q315	G-2	RV173	B-6	TP304	G-2
IC5	C-4	Q25	C-3	Q316	G-1	RV301	G-6	TP305	F-1
IC6	B-4	Q26	A-5	Q317	F-1	RV302	G-5	TP306	F-2
IC7	B-3	Q27	B-5	Q318	F-1	RV303	H-6	TP307	F-3
IC8	B-3	Q28	B-5	Q319	F-1	RV304	H-5	TP308	F-4
IC9	A-2	Q29	C-5	Q320	F-2	RV305	G-1	TP309	H-1
IC10	A-3	Q30	E-4	Q321	F-4	RV306	G-3	TP310	H-1
IC11	A-4	Q31	E-1	Q322	G-5	RV307	G-4	TP311	F-1
IC12	A-5	Q32	D-1	Q323	H-5	RV308	H-3	TP312	J-4
IC13	A-5	Q33	E-2	Q324	G-4	RV309	G-3	TP313	F-1
IC14	B-3	Q34	C-2	Q325	C-3	RV310	H-4	TP314	H-5
IC16	C-1	Q35	D-2	Q326	H-2	RV311	F-1	TP315	H-6
IC17	E-1	Q36	C-3	Q327	J-2	RV312	F-3	TP316	H-7
IC18	E-5	Q37	E-2	Q327	J-2	RV313	G-1	TP317	F-1
IC19	E-1	Q38	E-3	Q328	J-2	RV314	J-1	TP318	H-2
IC20	E-2	Q39	E-4	Q331	J-4	RV315	J-3	TP320	G-4
IC21	D-4	Q40	E-4	Q332	J-4	RV316	J-4	TP321	F-1
IC22	D-4	Q41	F-4	Q333	J-4	RV317	J-4		
IC24	A-5	Q42	D-4	Q334	J-5	RV318	J-5		





DM-56 — COMPONENT SIDE —
 1-622-545-15, 16
 BVW-65 BVW-75
 BVW-95 BVW-96



DM-56 — SOLDERING SIDE —
 1-622-545-15, 16
 BVW-65 BVW-75
 BVW-95 BVW-96

UC ;	S/N	13028	through	13325
J ;	S/N	11104	through	11303

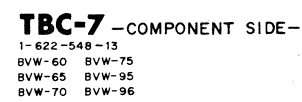
TBC-7 (1-622-548-13)

CN108	H-7	IC224	H-6	Q227	H-7	TP207	J-5
CN109	D-7	IC225	J-6	Q228	H-7	TP208	F-6
		IC226	H-5	Q229	H-2	TP400	E-1
D100	E-1	IC228	J-6	Q230	H-2	TP401	C-2
D200	G-2	IC231	G-7	Q400	E-2	TP402	D-3
D202	H-5	IC232	J-6	Q401	D-1	TP500	B-4
D203	H-5	IC234	G-6	Q402	E-1	TP501	D-5
D204	H-5	IC235	H-3	Q403	E-1	TP502	C-4
D205	J-4	IC236	G-3	Q404	E-1	TP503	B-3
D206	J-4	IC237	G-1	Q500	B-1	TP504	B-3
D207	J-4	IC238	J-2	Q501	B-2	TP505	C-3
D208	G-6	IC239	H-6	Q503	B-4	TP506	C-5
D209	H-2	IC240	G-1	Q504	A-3	TP507	C-3
D210	J-3	IC241	J-6	Q505	A-1		
D211	J-5	IC401	D-2	Q512	B-2		
D212	J-4	IC403	D-4	Q513	B-2		
D213	J-5	IC404	D-4	Q514	B-2		
D214	H-2	IC501	A-4	Q515	B-2		
D400	E-1	IC502	C-1	Q516	A-3		
D503	B-5	IC504	B-6	Q610	D-4		
D504	B-5	IC505	B-4	Q611	D-4		
D505	B-5	IC506	C-4	Q680	G-3		
D506	A-5	IC507	C-3	Q681	D-3		
D507	B-5	IC508	A-2	Q800	C-2		
D508	C-2	IC509	A-6	Q801	C-2		
D650	E-3	IC510	A-5	Q802	B-2		
D680	F-3	IC511	D-6				
D700	J-5	IC512	C-5	RV100	F-1		
D704	J-5	IC513	C-2	RV101	G-2		
D705	J-6	IC514	A-1	RV102	E-4		
D706	J-6	IC516	A-3	RV103	F-4		
D707	G-2	IC517	B-5	RV200	J-3		
		IC519	C-6	RV201	F-7		
DL500	C-1	IC520	A-5	RV202	J-5		
		IC521	A-4	RV203	J-5		
E100	F-1	IC522	B-2	RV204	H-2		
E101	F-4	IC610	E-4	RV400	D-1		
E200	H-1	IC611	E-4	RV401	D-2		
E201	H-5	IC650	E-3	RV402	C-4		
E202	J-5	IC700	J-1	RV500	D-6		
E400	D-1	IC701	J-2	RV501	A-2		
E401	D-4	IC702	G-5	RV502	D-6		
E500	A-1	IC720	F-6	RV503	D-5		
E501	C-4	IC800	C-1	RV610	E-3		
E502	A-6	IC801	B-1				
				S101	H-1		
FL100	F-1	LV200	H-5	S200	G-1		
FL400	E-1	LV201	J-4				
		LV500	B-5	SL200	G-3		
IC101	F-2			SL201	G-3		
IC102	F-4	Q100	F-2	SL202	G-3		
IC103	F-4	Q101	E-4	SL203	G-4		
IC105	F-4	Q102	E-4	SL204	G-4		
IC108	F-5	Q103	F-1	SL205	G-5		
IC201	G-1	Q104	F-1	SL505	B-3		
IC203	G-2	Q105	E-1	SL506	B-3		
IC205	H-2	Q106	E-1	SL507	B-3		
IC206	G-6	Q201	H-5	SL508	B-3		
IC207	H-5	Q203	G-6	SL509	B-3		
IC208	J-4	Q204	G-1				
IC209	H-4	Q205	G-1	TH201	F-6		
IC210	G-4	Q206	G-1	TH202	J-7		
IC211	G-3	Q207	G-2	TH501	A-2		
IC212	G-7	Q208	G-2	TH502	D-5		
IC213	G-6	Q211	J-2				
IC214	J-6	Q212	J-2	TP100	E-1		
IC215	H-3	Q213	J-2	TP101	G-2		
IC216	J-3	Q214	H-3	TP102	F-3		
IC217	H-2	Q215	G-7	TP200	G-5		
IC218	H-2	Q220	J-1	TP201	H-5		
IC219	E-6	Q221	J-1	TP202	J-7		
IC220	G-6	Q222	J-4	TP203	G-4		
IC221	J-6	Q223	J-4	TP204	G-3		
IC222	H-7	Q224	H-6	TP205	G-3		
IC223	G-7	Q225	H-6	TP206	H-4		

1-622-548-13

TBC-7

SONY MADE IN JAPAN



TBC-7 — SOLDERING SIDE —
1-622-548-13
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

TBC-7; TIME BASE CORRECTOR

UC : S/N 13326 and higher
J : S/N 11304 and higher

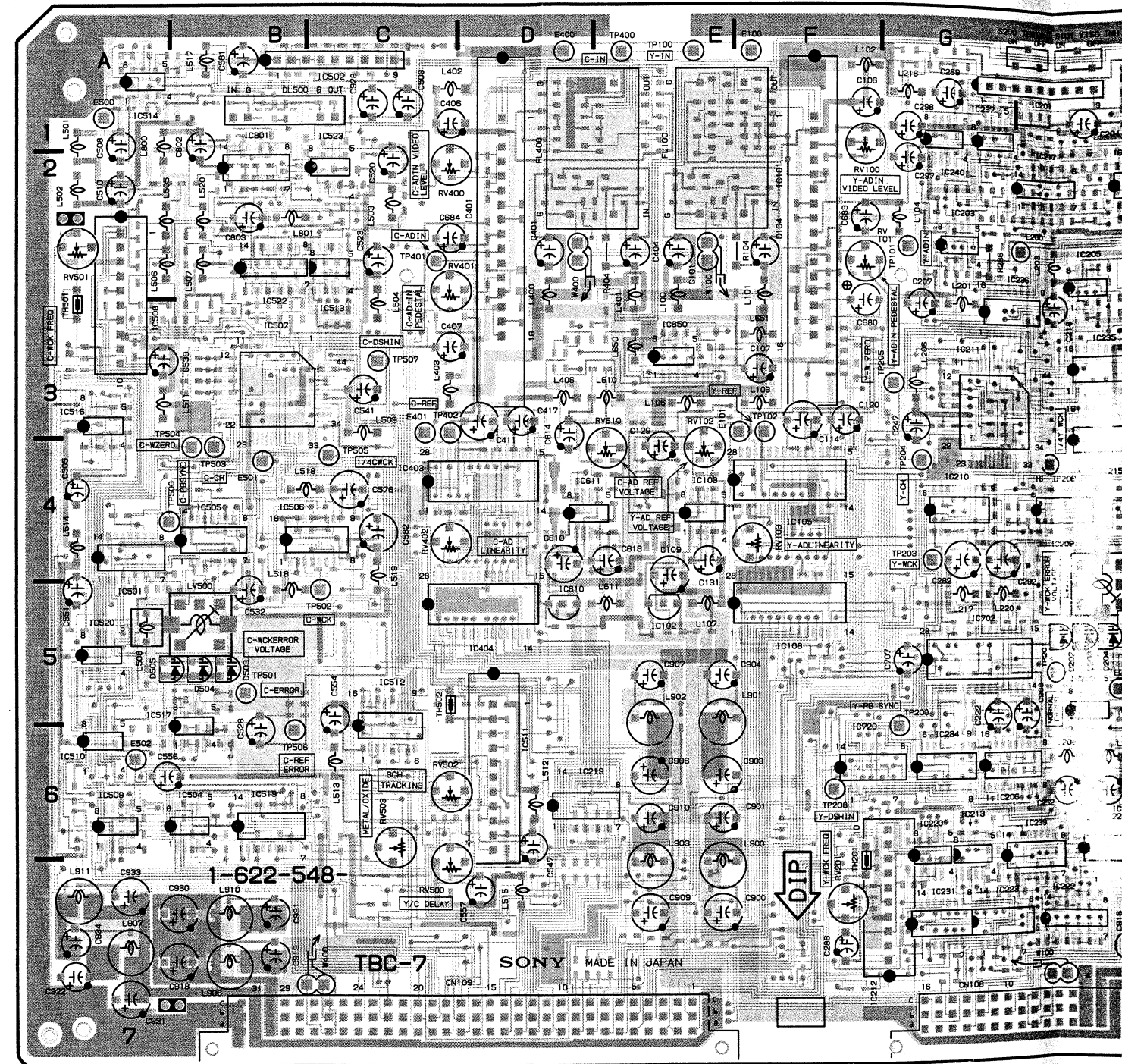
TBC-7(1-622-548-14,15)

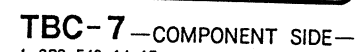
REF.NO.	TYPE	PIN.NO					
		+12V	+9V	+5V	GND	-5V	-12V
IC 101	SBX4002-01	2.11			4.13		5.14
IC 102	TL431CLPB	*	*	*	*	*	*
IC 103	TL082CPS	8					4
IC 105	CXA1096M			3.25.26	13.14.15.18	13.17	
IC 108	CXD1310AM			21	7		
IC 201	TA7357AP	*			5		
IC 203	MB4002PF	8			1		4
IC 205	MB4002PF	8			1		4
IC 206	SN74LS221NS			16	8		
IC 207	TL082CPS	8					4
IC 208	SN74LS06NS			*	7		
IC 209	MC10H116M				1.16	8	
IC 210	MC10H125M			9	16		
IC 211	CXD1045AQ			17.39	1.6.28		
IC 212	BX-1461	8			4.7		
IC 213	TL082CPS	8					4
IC 214	TL601CPS	8					5
IC 215	SN74LS221NS			16	8		
IC 216	BX-1460	10			8		9
IC 217	μPC319G2	11			3.8		6
IC 218	TC74HC221F			16	8		
IC 219	TC74HC74F			14	7		
IC 220	TL082CPS	8					4
IC 221	TL601CPS	8			1		5
IC 222	μPC339G2	3			12		
IC 223	TC74HC32F			14	7		
IC 224	TC74HC00F			14	7		
IC 225	TL082CPS	8					4
IC 226	TL601CPS	8			1		5
IC 231	TC74HC08F			14	7		
IC 232	TL601CPS	8			1		5
IC 235	TC74HC157F			16	8		
IC 236	TC74HC157F			16	8		
IC 237	TL082CPS	8					4
IC 238	SN74LS123			16			
IC 239	TC74HC32F			10.12	9.13		
IC 241	μPC339G2			5	4		8
IC 401	SBX-4002-01	2.11			4.13		5.14
IC 403	CXA1096M			13.17	12.14.15.18		
IC 404	CXD1310AM		21		7		
IC 501	TC74HC00F			14	7		
IC 502	TA7357AP	*			5		
IC 504	TL082CPS	8					4
IC 505	SN74LS06NS			14	7		
IC 506	MC10H125M			9	16		
IC 507	CXD1045AQ			17.39	1.6.28		
IC 508	BX-1461	8			4.6		
IC 509	TL082CPS	8					4
IC 510	TL601CPS	8			1		5
IC 511	BX-1460	10			8		9
IC 512	SN74LS221NS			16	8		
IC 513	MB4002PF	8			1		4
IC 514	TL601CPS	8			1		5
IC 516	TL082CPS	8					4
IC 517	TL082CPS	8					4
IC 519	TC74HC86F			14	7		5
IC 520	TL601CPS	8			1		5
IC 610	TL431CLPB	*	*	*	*	*	*
IC 611	TL082CPS	8					4
IC 650	MB4002PF	8			1		4
IC 700	TL601CPS	8			1		5
IC 701	CX20158			12	5.7.10	1	
IC 702	CX7930A			28	14		
IC 720	TC74HC08F			14	7		
IC 801	CX20158			14	5.7.10	1	

* REFER TO SCHEMATIC

TBC-7(1-622-548-14,15)

CN108	H-7	IC225	J-6	Q229	H-2
CN109	D-7	IC226	H-5	Q230	H-2
		IC228	J-5	Q400	E-2
D100	E-1	IC231	G-7	Q401	D-1
D200	G-2	IC232	J-6	Q402	E-1
D202	H-5	IC234	G-6	Q403	E-1
D203	H-5	IC235	H-3	Q404	E-1
D204	H-5	IC236	G-3	Q500	B-2
D205	J-4	IC237	G-1	Q501	B-2
D206	J-4	IC238	J-2	Q503	B-4
D207	J-4	IC239	H-6	Q504	A-3
D208	G-6	IC240	G-1	Q505	A-1
D209	H-2	IC241	J-6	Q512	B-2
D210	J-3	IC401	D-2	Q513	B-2
D211	J-6	IC403	D-4	Q514	B-2
D212	J-4	IC404	D-5	Q515	B-2
D213	J-5	IC501	A-4	Q516	A-3
D214	H-2	IC502	C-1	Q610	D-4
D400	E-1	IC504	B-6	Q611	D-4
D503	B-5	IC505	B-4	Q680	G-3
D504	B-5	IC506	C-4	Q681	D-3
D505	A-5	IC507	B-3	Q800	C-2
D506	A-6	IC508	A-2	Q801	C-2
D507	B-6	IC509	A-6	Q802	B-3
D508	C-2	IC510	A-6	Q803	C-1
D650	E-3	IC511	D-6		
D680	F-3	IC512	C-5	RV100	F-1
D700	J-5	IC513	C-2	RV101	F-2
D704	J-5	IC514	A-1	RV102	E-4
D705	J-6	IC516	A-3	RV103	F-4
D706	J-6	IC517	B-6	RV200	J-3
D707	G-2	IC519	B-6	RV201	F-7
		IC520	A-5	RV202	J-5
		IC522	B-2	RV203	J-6
		IC523	C-2	RV400	C-2
		IC610	D-5	RV401	C-2
		IC611	D-4	RV402	C-4
		IC650	E-3	RV500	C-7
		IC700	J-1	RV501	A-2
		IC701	J-2	RV502	C-6
		IC702	G-5	RV503	C-6
		IC720	F-6	RV610	E-4
		IC801	B-2		
		LV200	H-5	S101	H-1
		LV201	J-4	S200	H-1
		LV500	B-5		
FL100	E-1			TH201	F-6
FL400	D-1			TH202	J-3
				TH501	A-2
				TH502	C-5
IC101	F-2	Q100	F-2	TP100	E-1
IC102	E-5	Q101	E-4	TP101	G-2
IC103	E-4	Q102	E-4	TP102	F-3
IC105	F-4	Q103	F-1	TP200	G-5
IC108	F-5	Q104	F-1	TP201	H-5
IC201	H-1	Q105	E-1	TP202	J-7
IC203	G-2	Q106	E-1	TP203	G-4
IC205	H-2	Q201	H-5	TP204	G-4
IC206	G-6	Q203	G-6	TP205	G-3
IC207	H-5	Q204	G-1	TP206	H-4
IC208	J-4	Q205	G-1	TP207	J-5
IC209	H-4	Q206	G-1	TP208	F-6
IC210	G-4	Q207	G-2	TP400	E-1
IC211	G-3	Q211	J-2	TP401	C-2
IC212	G-7	Q212	J-3	TP402	C-3
IC213	G-6	Q213	J-2	TP500	A-4
IC214	J-6	Q214	H-3	TP501	B-5
IC215	H-3	Q215	G-7	TP502	C-5
IC216	J-3	Q220	J-1	TP503	B-4
IC217	H-2	Q221	J-1	TP504	B-4
IC218	H-2	Q222	J-4	TP505	C-4
IC219	D-6	Q223	J-4	TP506	B-6
IC220	G-6	Q224	H-6	TP507	C-3
IC221	J-6	Q225	H-6		
IC222	H-7	Q226	J-6		
IC223	G-7	Q227	H-7		
IC224	H-6	Q228	H-7		

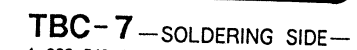




BVW-60 BVW-70

BVW-65 BVW-75

BVW-95 BVW-96



BVW-60 BVW-70

BVW-65 BVW-75

BVW-95 BVW-96

TBC-8 ; TIME BASE CORRECTOR

UC; Up to S/N 14368
J; Up to S/N 11668

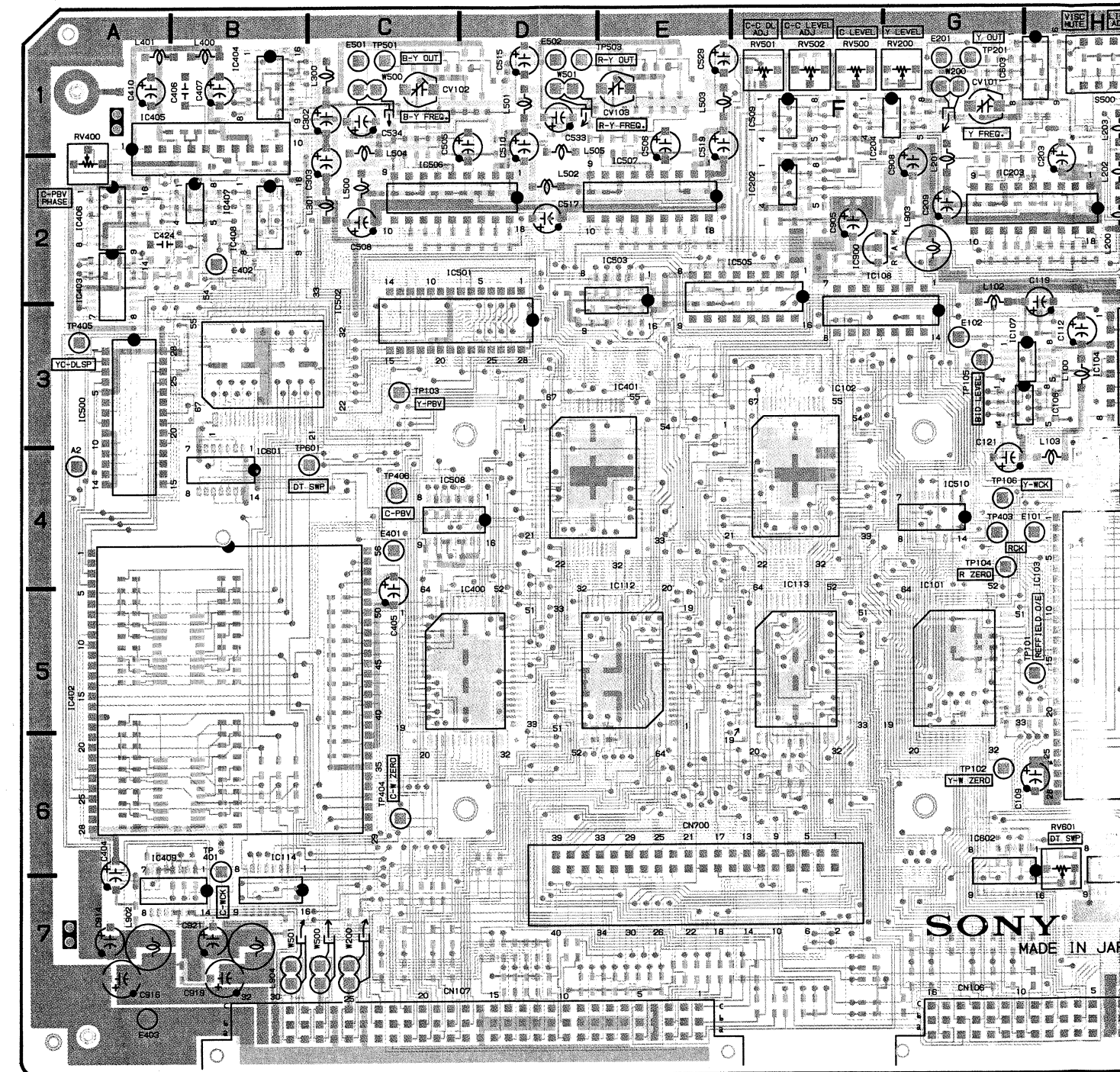
TBC-8(1-622-549-15,16)

REF. NO.	TYPE	PIN. NO				
		+12V	+5V	GND	-5V	-12V
IC 100	MC10H125M		9	16	8	
IC 101	CXD10220A		26.58	10.42		
IC 102	CXD1023AQ		27.61	1.11.44		
IC 103	SBX1596-01		28.51	17.35		
IC 104	TD62901P	13				3
IC 106	NJM4560M	8				4
IC 107	TL601CPS	8		1		5
IC 108	74F04PC		14	7		
IC 109	TC74HC04F		14	7		
IC 110	TC74HC04F		14	7		
IC 112	CXD8024Q		26.58	10.42		
IC 113	CXD1326AQ		26.58	10.42		
IC 114	SN74LS157NS		16	8		
IC 200	CXK1202S		28	14		
IC 201	CXD1131Q		27.61	1.11.44		
IC 202	NJM4560M	8				4
IC 203	MB40778P		2.5.7.8	1.9		
IC 204	NJM4560M	8				4
IC 400	CXD10220A		26.58	10.42		
IC 401	CXD1023AQ		27.61	1.11.44		
IC 402	SBX1596-01		28.51	17.35		
IC 403	TC74HC08F		14	7		
IC 404	TC74HC221F		16	8		
IC 405	BX1461	8			3	
IC 406	TC4053BF		16	8	7	
IC 407	TL082CPS	8				4
IC 408	SN74LS221NS		16	8		
IC 409	TC74HC04F		14	7		
IC 500	CXK1202S		28	14		
IC 501	CXK1202S		28	14		
IC 502	CXD1131Q		27.61	1.11.44	8	
IC 503	MC10H125M		9	16	8	
IC 504	TC74HC00F		14	7		
IC 505	MC10198L			1.16	8	
IC 506	MB40778P		2.5.7.8	1.9		
IC 507	MB40778P		2.5.7.8	1.9		
IC 508	SN74LS221NS		16	8		
IC 509	NJM4560M	8				4
IC 510	TC74HC08F		14	7		
IC 512	TC74HC27F		14	7		
IC 900	TL431CLPB	*	*	*	*	*
IC 601	TC74HC74F		14	7		
IC 602	TC74HC221F		16	8		
IC 603	SN74LS157NS		16	8		

* REFER TO SCHEMATIC

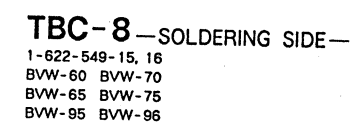
TBC-8(1-622-549-15,16)

CN106	G-7	IC406	A-2	TP103	C-3
CN107	C-7	IC407	B-2	TP104	G-4
CN700	E-7	IC408	B-2	TP105	G-3
		IC409	B-6	TP106	F-3
CV101	G-1	IC500	A-3	TP201	G-1
CV102	C-1	IC501	C-3	TP401	B-6
CV103	E-1	IC502	B-3	TP403	D-3
		IC503	E-3	TP404	C-6
D201	G-1	IC504	J-1	TP405	A-3
D202	G-1	IC505	E-3	TP406	C-4
D400	B-2	IC506	C-2	TP501	C-1
D500	D-1	IC507	E-2	TP503	D-1
D501	E-1	IC508	D-4	TP601	B-4
		IC509	F-1		
E101	H-4	IC510	G-4		
E102	G-3	IC512	J-1		
E103	J-7	IC601	B-4		
E201	G-1	IC602	G-6		
E401	C-4	IC603	H-1		
E402	B-2	IC900	F-2		
E403	A-7				
E501	C-1	Q201	G-2		
E502	D-1	Q202	H-1		
		Q203	G-1		
IC100	H-6	Q204	G-1		
IC101	G-5	Q205	G-1		
IC102	F-4	Q400	A-2		
IC103	J-5	Q401	B-2		
IC104	H-3	Q402	B-2		
IC106	G-3	Q500	C-1		
IC107	G-3	Q501	D-1		
IC108	F-3	Q502	D-1		
IC109	H-4	Q503	D-1		
IC110	J-4	Q504	E-1		
IC112	E-5	Q505	E-1		
IC113	F-5	Q900	G-2		
IC114	B-6				
IC200	J-3	RV200	G-1		
IC201	J-2	RV400	A-1		
IC202	F-2	RV500	F-1		
IC203	G-2	RV501	F-1		
IC204	G-1	RV502	F-1		
IC400	D-5	RV601	H-6		
IC401	D-4				
IC402	B-5	S500	H-1		
IC403	A-2				
IC404	B-1	TP101	H-5		
IC405	B-1	TP102	G-6		





1-622-549-15, 16
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96



TBC-8; TIME BASE CORRECTOR

UC; S/N 14369 and higher
J; S/N 11669 and higher

TBC-8 (1-622-549-17)

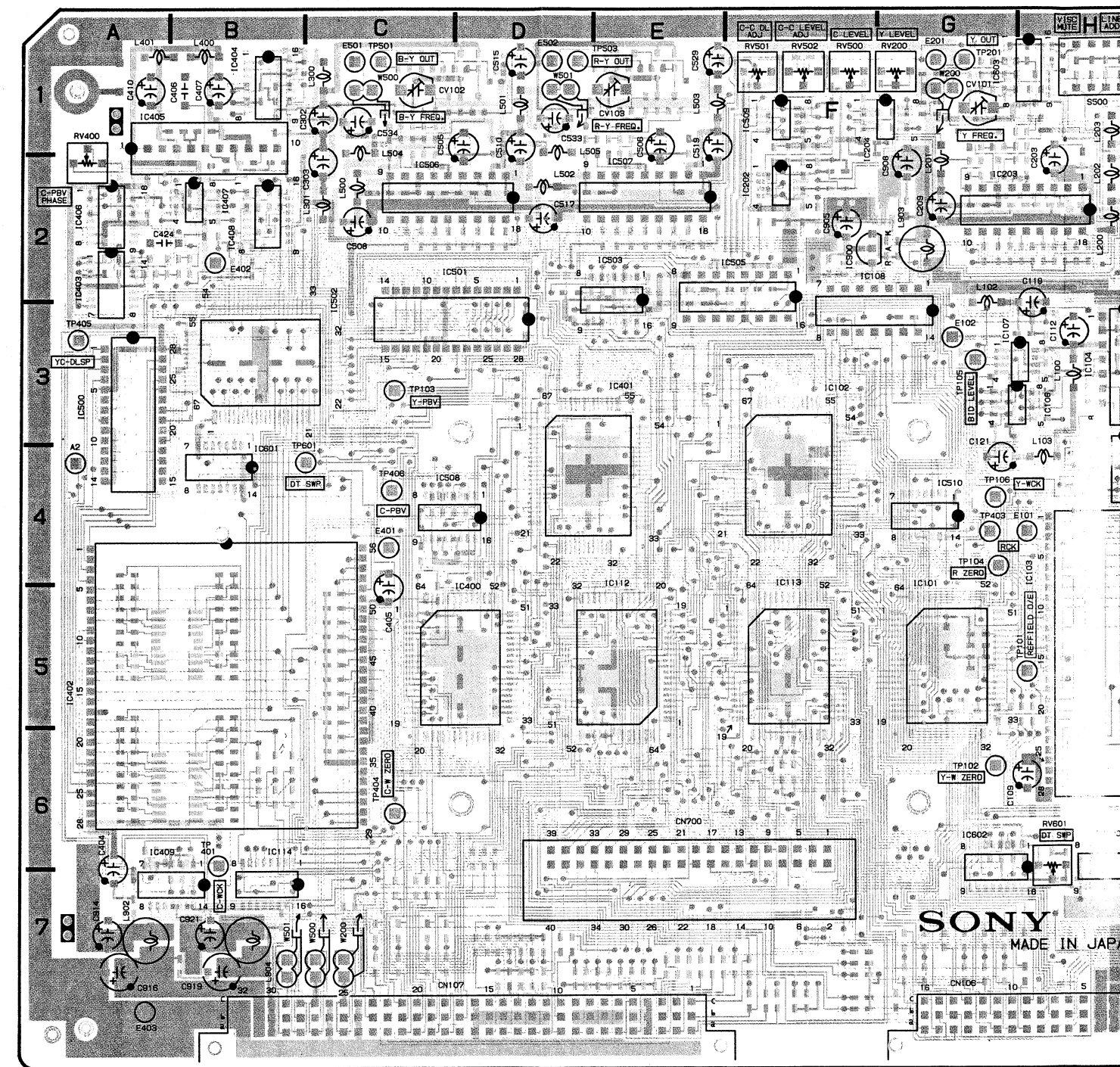
REF. NO.	TYPE	PIN. NO				
		+12V	+5V	GND	-5V	-12V
IC 100	MC10H125M		9	16	8	
IC 101	CXD1022CQ		26.58	10.42		
IC 102	CXD1023AQ		27.61	1.11.44		
IC 103	SBX1596-01		28.51	17.35		
IC 104	TD62901P	13				3
IC 106	NJM4560M	8				4
IC 107	TL601CPS	8		1		5
IC 108	74F04PC		14	7		
IC 109	TC74HC04F		14	7		
IC 110	TC74HC04F		14	7		
IC 112	CXD8024Q		26.58	10.42		
IC 113	CXD1326AQ		26.58	10.42		
IC 114	SN74LS157NS		16	8		
IC 200	CXK1202S		28	14		
IC 201	CXD1131Q		27.61	1.11.44		
IC 202	NJM4560M	8				4
IC 203	MB40778P		2.5.7.8	1.9		
IC 204	NJM4560M	8				4
IC 400	CXD1022CQ		26.58	10.42		
IC 401	CXD1023AQ		27.61	1.11.44		
IC 402	SBX1596-01		28.51	17.35		
IC 403	TC74HC86F		14	7		
IC 404	TC74HC221F		16	8	3	
IC 405	BX1461	8		8	7	
IC 406	TC4053BF		16	8		4
IC 407	TL082CPS	8				
IC 408	SN74LS221NS		16	8		
IC 409	TC74HC04F		14	7		
IC 500	CXK1202S		28	14		
IC 501	CXK1202S		28	14		
IC 502	CXD1131Q		27.61	1.11.44	8	
IC 503	MC10H125M		9	16	8	
IC 504	TC74HC00F		14	7		
IC 505	MC10198L			1.16	8	
IC 506	MB40778P		2.5.7.8	1.9		
IC 507	MB40778P		2.5.7.8	1.9		
IC 508	SN74LS221NS		16	8		
IC 509	NJM4560M	8				4
IC 510	TC74HC08F		14	7		
IC 512	TC74HC27F		14	7		
IC 900	TL431CLPB	*	*	*	*	*
IC 601	TC74HC74F		14	7		
IC 602	TC74HC221F		16	8		
IC 603	SN74LS157NS		16	8		

* REFER TO SCHEMATIC

TBC-8 (1-622-549-17)

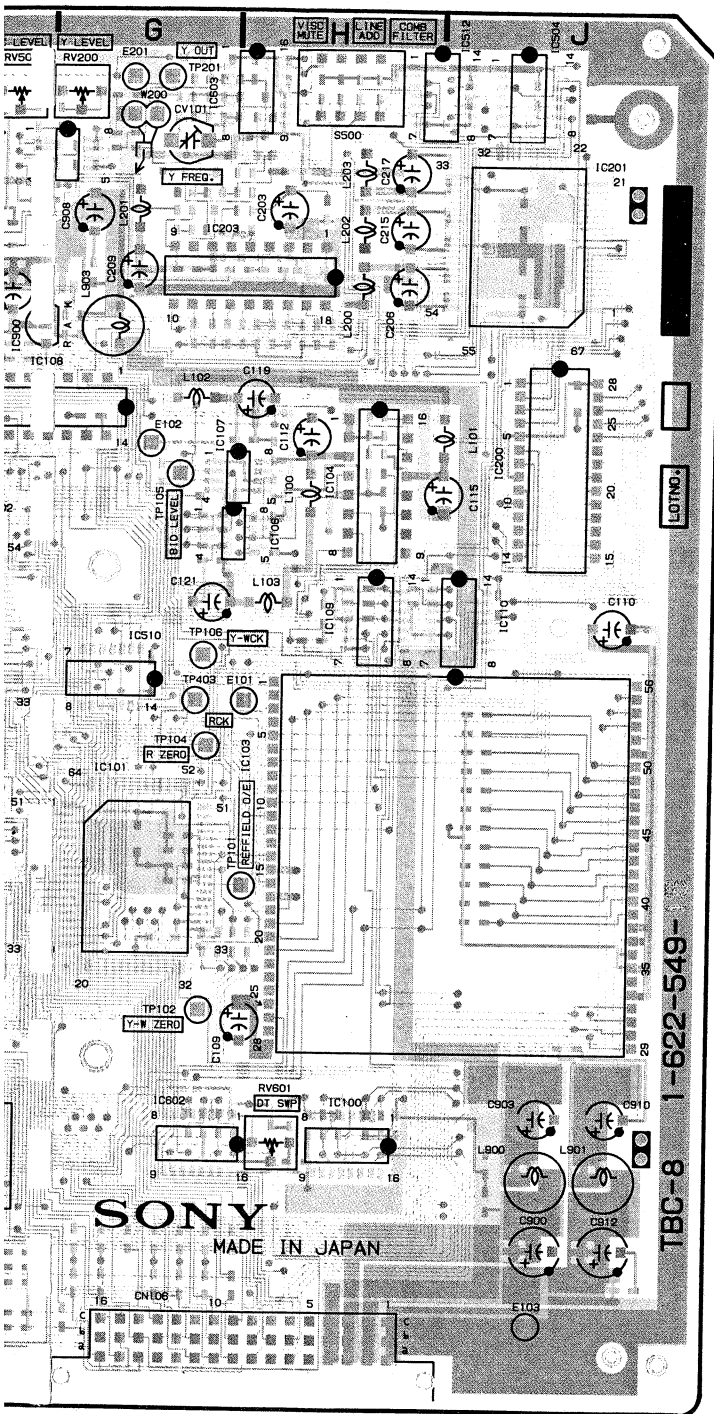
CN106	G-7	IC406	A-2
CN107	C-7	IC407	B-2
CN700	E-7	IC408	B-2
		IC409	B-6
CV101	G-1	IC500	A-3
CV102	C-1	IC501	D-2
CV103	E-1	IC502	B-3
		IC503	E-3
D201	G-1	IC504	J-1
D202	G-1	IC505	F-2
D400	B-2	IC506	C-2
D500	D-1	IC507	E-2
D501	E-1	IC508	D-4
		IC509	F-1
E101	H-4	IC510	G-4
E102	G-3	IC512	J-1
E103	J-7	IC601	B-4
E201	G-1	IC602	G-6
E401	C-4	IC603	H-1
E402	B-2	IC900	F-2
E403	A-7		
E501	C-1	Q201	G-2
E502	D-1	Q202	H-1
		Q203	C-1
IC100	H-6	Q204	G-1
IC101	G-5	Q205	G-1
IC102	F-4	Q400	A-2
IC103	H-4	Q401	B-2
IC104	H-3	Q402	B-2
IC106	G-3	Q500	C-1
IC107	G-3	Q501	D-1
IC108	F-3	Q502	D-1
IC109	H-4	Q503	D-1
IC110	J-4	Q504	E-1
IC112	E-5	Q505	E-1
IC113	F-5	Q900	G-2
IC114	B-6		
IC200	J-3	RV200	G-1
IC201	J-2	RV400	A-1
IC202	F-2	RV500	F-1
IC203	G-2	RV501	F-1
IC204	G-1	RV502	F-1
IC400	D-5	RV601	H-6
IC401	E-3		
IC402	B-5	S500	H-1
IC403	A-2		
IC404	B-1	TP101	H-5
IC405	B-1	TP102	G-6

TP103	C-3
TP104	G-4
TP105	G-3
TP106	F-3
TP201	G-1
TP401	B-6
TP403	D-3
TP404	C-6
TP405	A-3
TP406	C-4
TP501	C-1
TP503	D-1
TP601	B-4



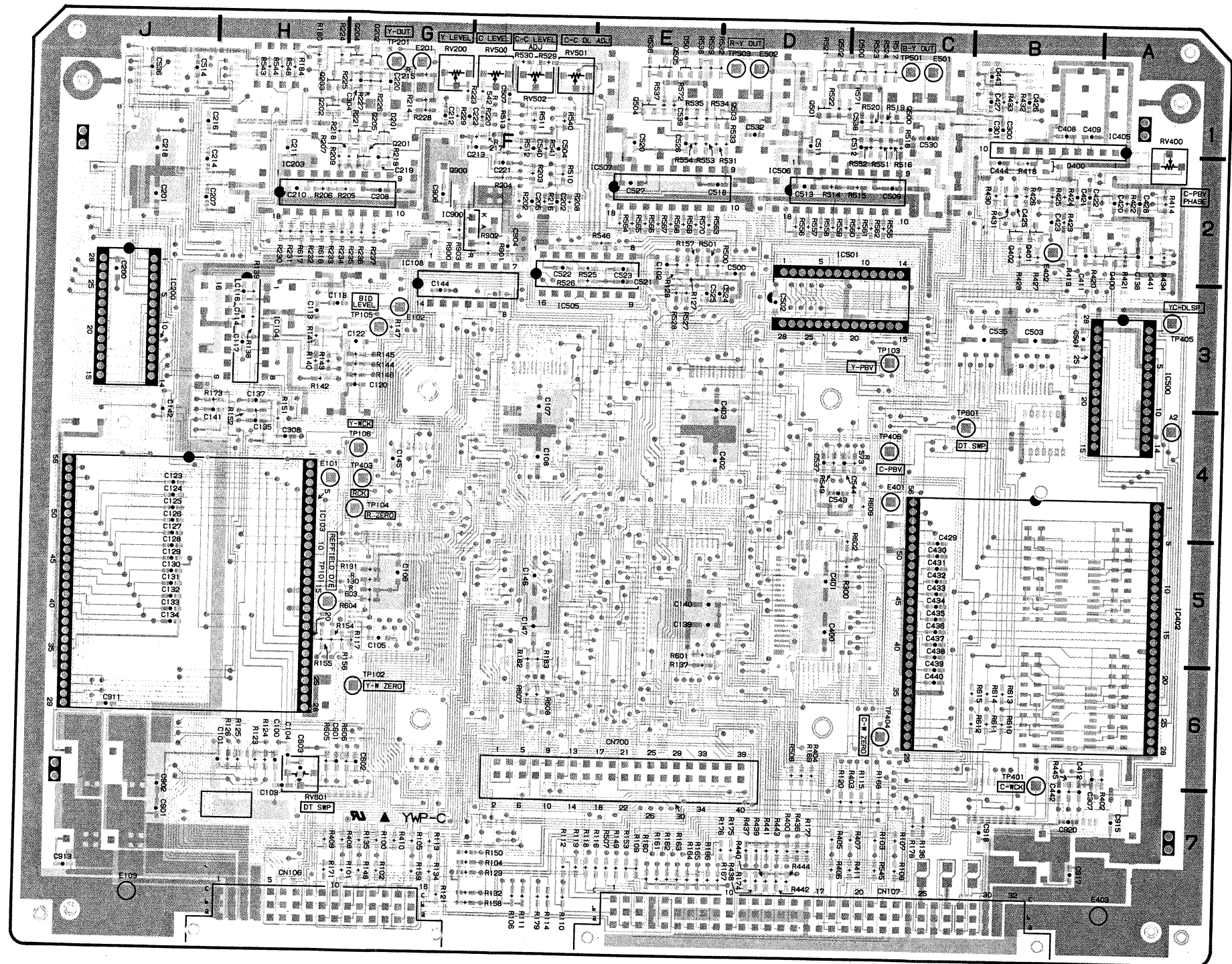
TBC-8

TBC-8



TBC-8—COMPONENT SIDE—

1-622-549-17
 BVW-60 BVW-70
 BVW-65 BVW-75
 BVW-95 BVW-96



TBC-8—SOLDERING SIDE—

1-622-549-17
 BVW-60 BVW-70
 BVW-65 BVW-75
 BVW-95 BVW-96

TBC-9; TIME BASE CORRECTOR
NR-25; Y DIGITAL NOISE REDUCTION

TBC-9 (1-622-550-13)

REF. NO.	TYPE	PIN. NO				
		+12V	+5V	GND	-5V	-12V
IC 1	TC74HC00F	1	14	7		
IC 2	CX20061		2	5		
IC 4	CXD1216M		16	16		
IC 5	TC4053BF		16	7,8		
IC 6	CX7930A		28	14		
IC 7	TC74HC221F		16	8		
IC 8	TC74HC74F		14	7		
IC 9	TC74HC221F		16	8		
IC 10	CX7930A		28	14		
IC 11	TC74HC86F		14	7		
IC 12	TL082CPS	8	16	8		4
IC 13	SN74LS123NS		14	7		8
IC 14	NJM1496M		2	3		
IC 16	TC74HC32F		14	7		
IC 17	μPC393G2		2	3		
IC 18	TL082CPS		16	8		4
IC 19	TC74HC123F		14	7		
IC 20	TL431CLPB		2	16		
IC 21	CX7998		27.61	1.11.44		
IC 22	CXD1024Q		27.61	1.11.44		
IC 23	CX7930A		28	14		
IC 24	CX20162		28	14		
IC 25	74F74PC		14	7		
IC 26	TC74HC08F		14	7		
IC 27	TC74HC74F		14	7		
IC 28	TC74HC04F		14	7		
IC 29	TC74HC244F		20	10		
IC 30	SN74LS164NS		14	7		
IC 31	MC10H124M		9	16	8	
IC 32	TC74HC244F		20	10		
IC 33	TC74HC123F		16	8		
IC 34	SN74LS11NS		14	7		
IC 35	TC74HC86F		14	7		
IC 36	SN74LS164NS		14	7		
IC 37	TL431CLPB		*	*	*	*
IC 38	TC74HC74F		14	7		
IC 40	TC74HC74F		14	7		
IC 41	SN74LS221NS		16	8		
IC 42	SN74LS221NS		16	8		
IC 200	MB4002PF	8		1		*
IC 201	TL082CPS			1		4
IC 202	TL061CPS			1		5
IC 203	μPC319G2		11	3,8		6
IC 204	TC74HC221F		16	8		

* REFER TO SCHEMATIC

NR-25 (1-624-023-12)

REF. NO.	TYPE	PIN NO.	
		+5V	GND
IC 701	CXD1328Q	33.73	12.52
IC 702	CXK1202S	28	14
IC 703	CXK1202S	28	14
IC 704	CXK1202S	28	14
IC 705	SN74HC161NS	16	8
IC 706	SN74HC161NS	16	8
IC 707	SN74HC240NS	20	10

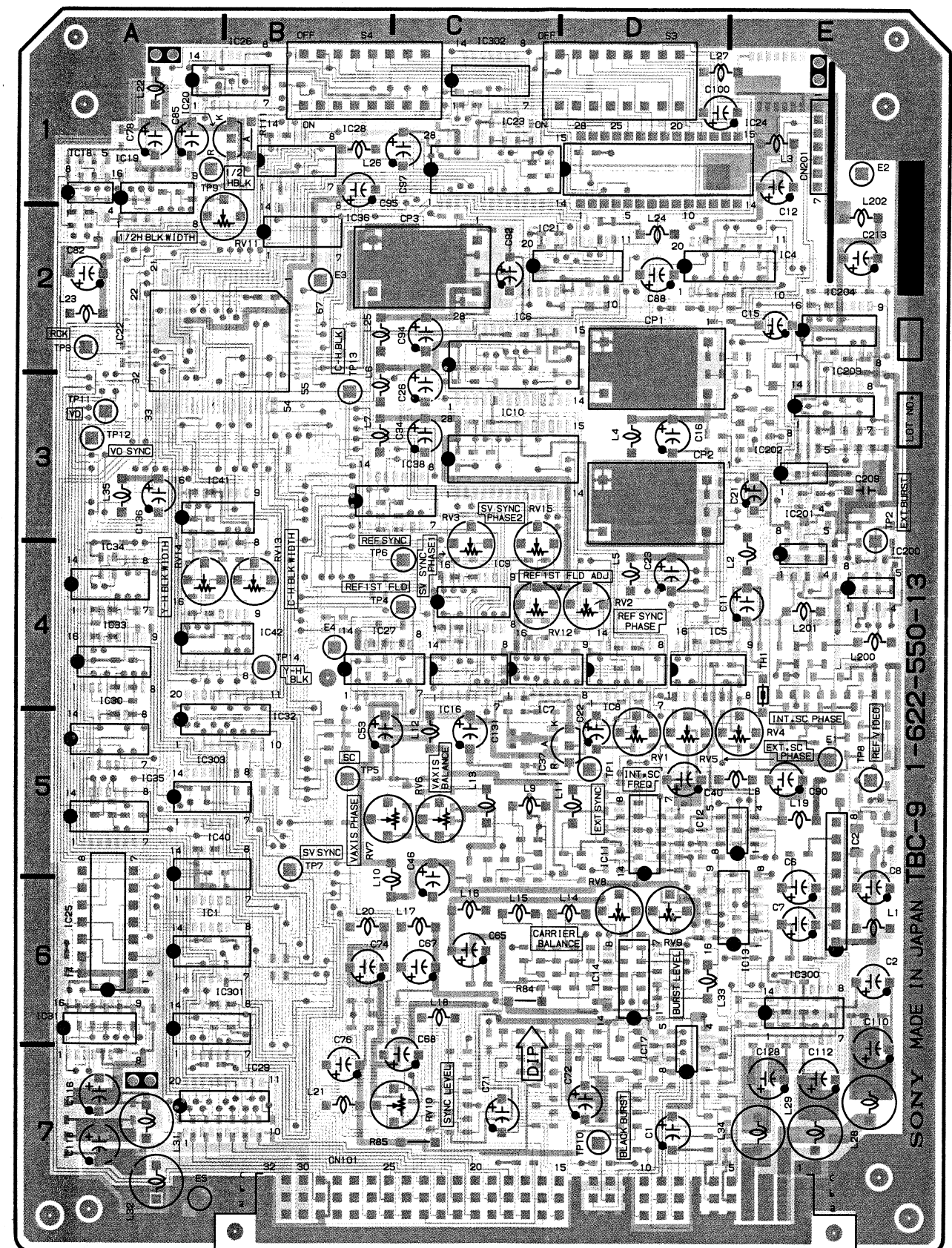
NR-25 (1-624-023-12)

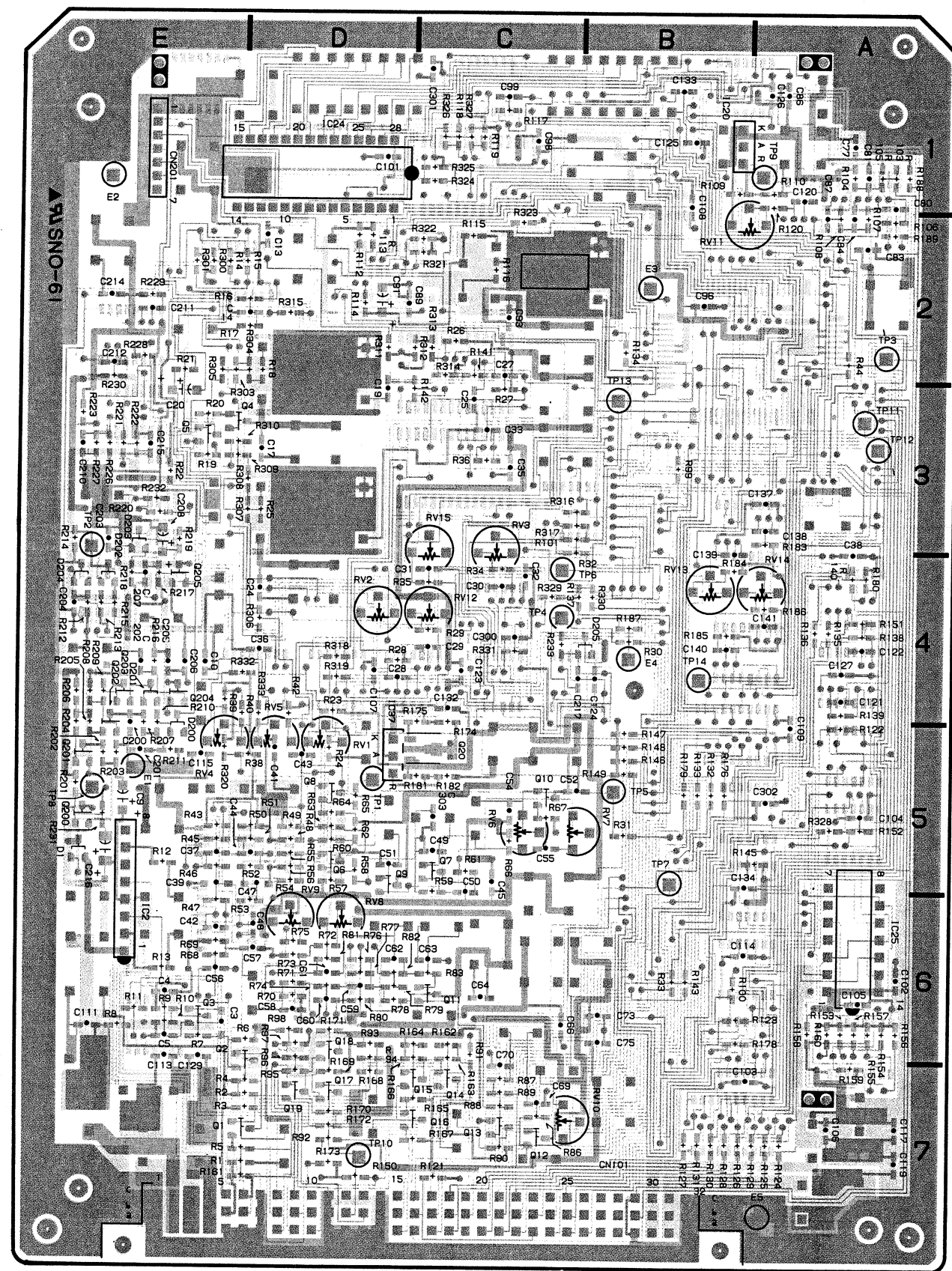
CN701	B-3
D701	C-2
D702	C-3
EP701	C-2
IC701	A-2
IC702	B-1
IC703	C-1
IC704	C-2
IC705	B-3
IC706	C-3
IC707	B-2

TP701	A-1
TP702	A-2
TP703	A-2
TP704	A-2

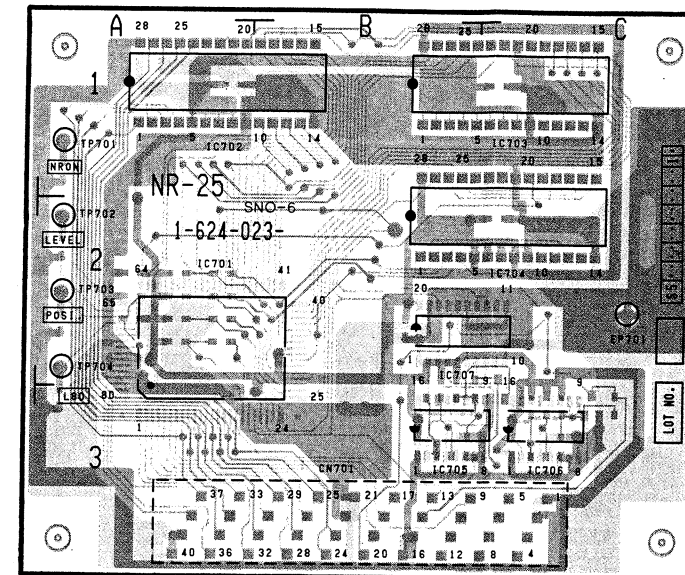
TBC-9 (1-622-550-13)

CN101	C-7	IC300	E-6
CN201	E-1	IC301	A-6
		IC302	C-1
		IC303	A-5
CP1	D-3	Q1	E-7
CP2	D-3	Q2	E-7
CP3	C-2	Q3	E-6
		Q4	E-3
D1	E-5	Q5	E-3
D200	E-5	Q6	D-5
D201	E-5	Q7	D-6
D202	E-4	Q8	D-5
D203	E-4	Q9	D-6
D204	E-4	Q10	C-5
D205	B-4	Q11	D-6
		Q12	C-7
E1	E-1	Q13	C-7
E2	C-4	Q14	C-7
E3	A-3	Q15	D-7
E4	D-7	Q16	D-7
E5	B-7	Q17	D-7
		Q18	D-7
		Q19	D-7
IC1	E-6	Q20	D-5
IC2	E-6	Q200	E-5
IC4	E-2	Q201	E-5
IC5	E-4	Q202	E-5
IC6	C-3	Q203	E-5
IC7	D-4	Q204	E-5
IC8	D-4	Q205	E-4
IC9	C-4		
IC10	C-3		
IC11	D-5		
IC12	E-5		
IC13	E-6	RV1	D-5
IC14	D-6	RV2	D-4
IC16	A-6	RV3	C-4
IC17	D-7	RV4	E-5
IC18	A-2	RV5	D-5
IC19	A-2	RV6	C-5
IC20	B-1	RV7	C-5
IC21	D-2	RV8	D-6
IC22	B-2	RV9	D-6
IC23	C-1	RV10	C-7
IC24	D-1	RV11	B-2
IC25	A-6	RV12	D-4
IC26	B-1	RV13	B-4
IC27	A-5	RV14	B-4
IC28	B-1	RV15	C-3
IC29	B-7		
IC30	A-4	S3	D-1
IC31	A-6	S4	C-1
IC32	B-4		
IC33	C-4	TH1	E-4
IC34	A-3		
IC35	A-5	TP1	D-5
IC36	B-2	TP2	E-4
IC37	D-5	TP3	B-3
IC38	C-3	TP4	D-4
IC40	A-5	TP5	B-5
IC41	B-3	TP6	C-4
IC42	B-4	TP7	B-6
IC200	E-4	TP8	E-5
IC201	E-4	TP9	B-1
IC202	E-3	TP10	D-7
IC203	E-3	TP11	A-3
IC204	E-2	TP12	A-3

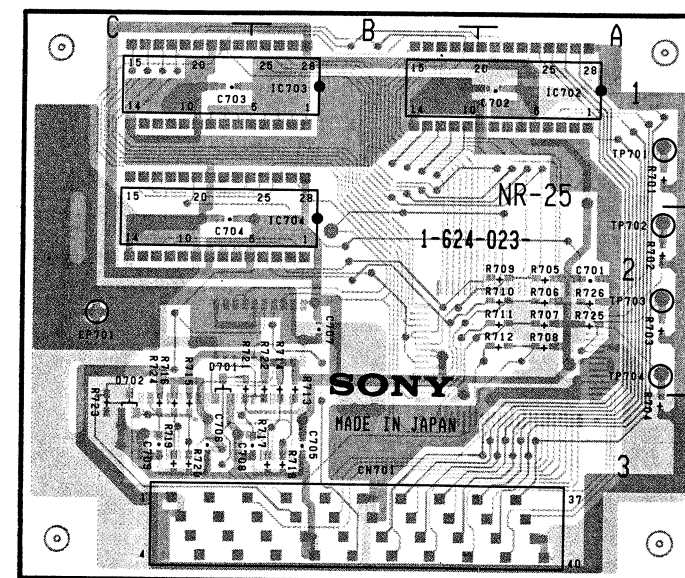
TP13 B-3
TP14 B-4TBC-9 -COMPONENT SIDE-
1-622-550-13
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96



TBC-9 -SOLDERING SIDE-
 1-622-550-13
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



NR-25 -COMPONENT SIDE-
 1-624-023-12
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



NR-25 -SOLDERING SIDE-
 1-624-023-12
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96

EN-48; C ENCODER

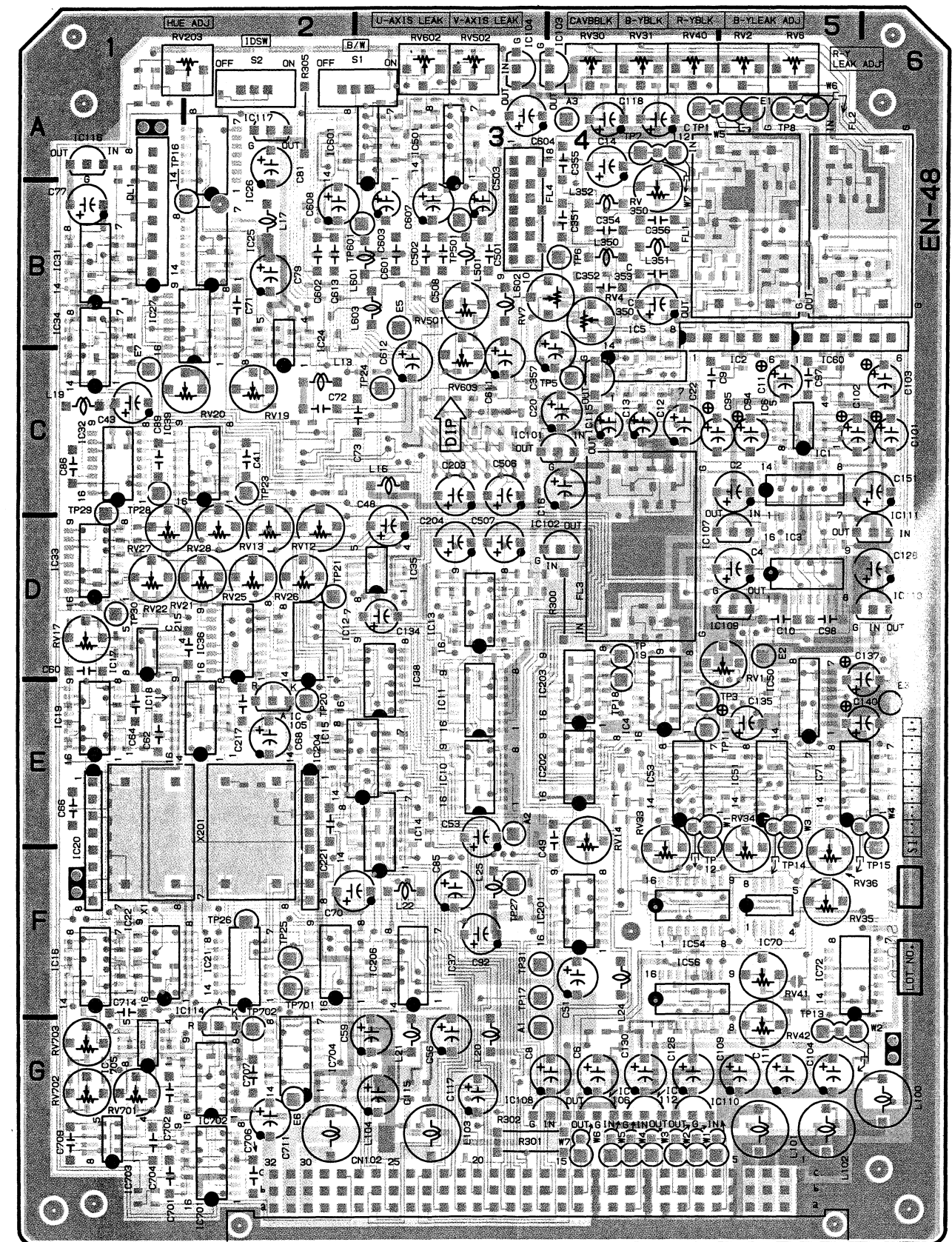
EN-48 (1-622-546-14, 15)

REF. NO.	TYPE	PIN NO.							
		+12V	+9V	+8V	+5V	GND	-5V	-8V	-12V
IC 1	MC34184M			4	6	8	1	11	
IC 2	VA UNIT						7		
IC 3	MC145038F		16		16	2.10	5		
IC 4	CX20017				12	5.7.10	1		
IC 5	CX20158							4	
IC 6	TL082CPS			8					
IC 10	MC10H124M				9	16	8		
IC 11	MC10H131M				14	1.16	8		
IC 12	SN74LS00NS					7			
IC 13	MC10H113M					1.16	8		
IC 14	TC74HC04F				14	7			
IC 15	MC74HC11F				14	7			
IC 16	SN74LS74ANS				14	7			
IC 17	MC34182M	8						4	
IC 18	TC74HC123F				16	8			
IC 19	SN74LS221NS				16	8			
IC 20	CX23065				5	7			
IC 21	SN74LS04NS				14	7			
IC 22	SN74LS163ANS				16	8			
IC 24	MB4002PF	8					4		
IC 25	SN74LS74ANS				14	7			
IC 26	SN74LS06NS				14	7			
IC 27	SN74LS221NS				16	8			
IC 31	SN74LS74NS				14	7			
IC 32	SN74LS221NS				16	8			
IC 33	SN74LS221NS				16	8			
IC 34	TC74HC74F				14	7			
IC 35	TL082CPS			8			4		
IC 36	SN74LS221NS				16	8			
IC 37	SN74LS32NS				14	7			
IC 38	TC4053BF				16	8	7		
IC 39	TC74HC221F				16	8			
IC 50	MC34184M				12	5.7.10	1		
IC 51	CX20158				12	5.7.10	1		
IC 52	VA UNIT				6		1		
IC 53	CX20158				12	5.7.10	1		
IC 54	TC14053BF				16	8			
IC 55	VA UNIT				6		1		
IC 60	VA UNIT				6		1		
IC 70	MC34182M				8		4		
IC 71	CX20158				12	5.7.10			
IC 72	CX20158				14	5.7.10	1		
IC 101	NJM78L09A	*	*	*	*	*	*	*	*
IC 102	NJM78L05A	*	*	*	*	*	*	*	*
IC 103	S-81230AG	*	*	*	*	1	*	*	*
IC 104	S-80230AG	*	*	*	*	1	*	*	*
IC 105	TL431CLPB	*	*	*	*	*	*	*	*
IC 106	NJM78L05A	*	*	*	*	*	*	*	*
IC 107	NJM78L08A	*	*	*	*	*	*	*	*
IC 108	NJM78L05A	*	*	*	*	*	*	*	*
IC 109	NJM78L08A	*	*	*	*	*	*	*	*
IC 110	NJM78L05A	*	*	*	*	*	*	*	*
IC 111	NJM78L08A	*	*	*	*	*	*	*	*
IC 112	NJM78L05A	*	*	*	*	*	*	*	*
IC 113	NJM78L08A	*	*	*	*	*	*	*	*
IC 114	TL431CLPB	*	*	*	*	*	*	*	*
IC 201	MC10H124M			9	16	8			
IC 202	MC10H131M					1.16	8		
IC 203	MC10H113M					1.16	8		
IC 204	CX23065				5				
IC 206	SN74LS163ANS				16	8			
IC 501	NJM1496M							14	
IC 601	NJM1496M							14	
IC 701	TC74HC123F		*			8			
IC 702	SN74LS123NS		*			8			
IC 703	MC34182M	8						4	
IC 704	SN74LS74ANS		*			7			
IC 705	MC34182M	8						4	

* REFER TO SCHEMATIC

EN-48 (1-622-546-14, 15)

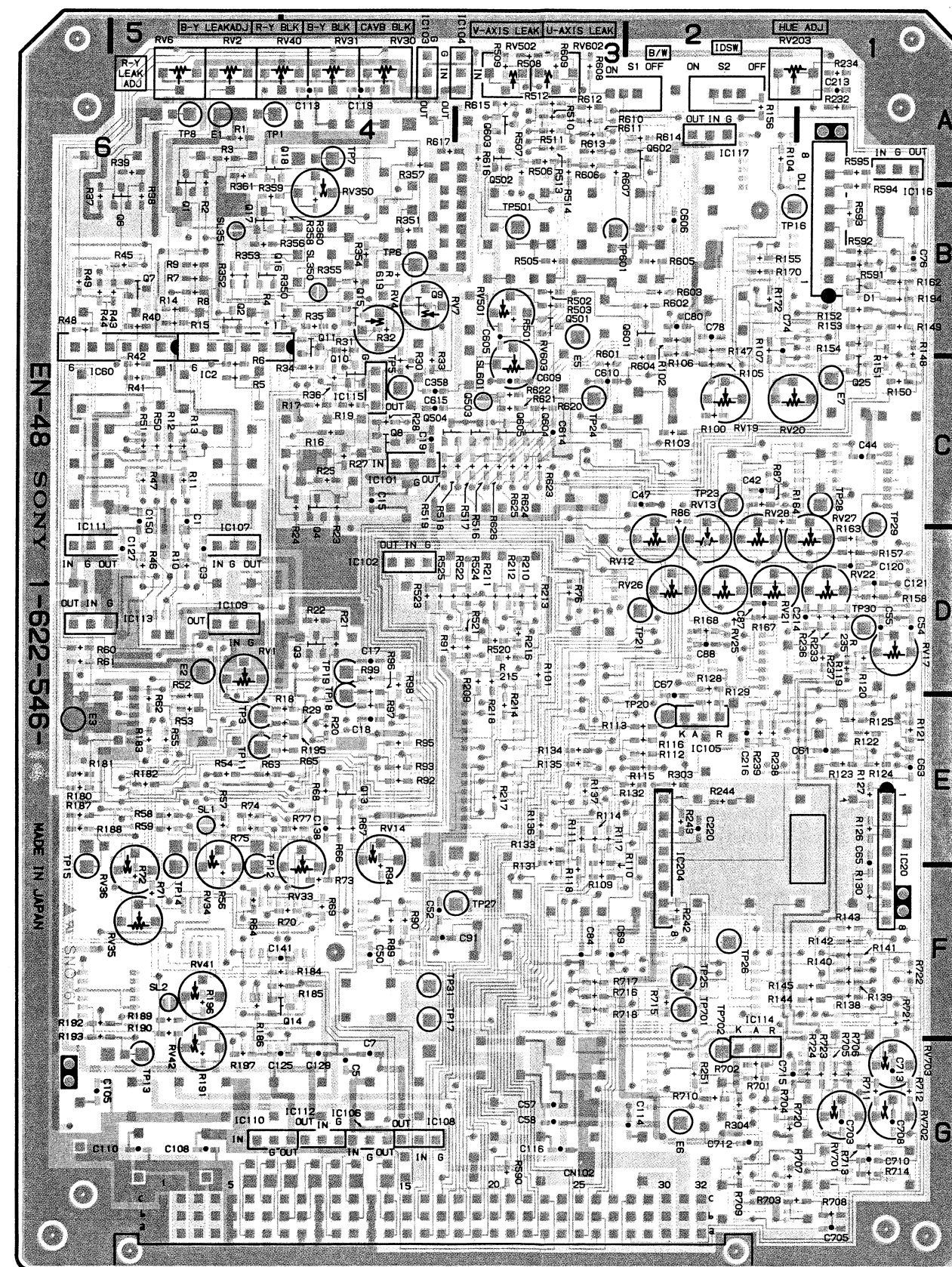
CN102	G-3	IC115	C-4	RV602	A-3
D1	B-1	IC116	A-1	RV603	C-3
DL1	B-1	IC117	A-2	RV701	G-1
		IC127	D-2	RV702	G-1
		IC201	F-4	RV703	G-1
E1	A-5	IC202	E-4		
E2	D-5	IC203	D-4	S1	A-3
E3	E-6	IC204	E-2	S2	A-2
E5	B-3	IC206	F-2		
E6	G-2	IC501	A-3	SL1	F-5
E7	B-1	IC601	A-3	SL2	E-6
		IC701	G-2	SL350	C-4
FL1	B-5	IC702	G-2	SL351	C-4
FL2	B-6	IC703	G-1	SL601	C-3
FL3	D-4	IC704	G-2		
FL4	A-4	IC705	G-1	TP1	A-5
				TP3	D-5
IC1	C-5	Q1	A-5	TP5	B-5
IC2	B-5	Q2	B-5	TP6	B-4
IC3	D-5	Q3	D-4	TP7	A-4
IC4	D-4	Q4	B-4	TP8	A-5
IC5	B-4	Q6	B-6	TP11	E-5
IC6	C-5	Q7	B-5	TP12	F-5
IC10	E-3	Q8	B-5	TP13	F-5
IC11	D-3	Q9	B-4	TP14	F-5
IC12	D-2	Q10	B-4	TP15	E-6
IC13	D-3	Q11	A-5	TP16	A-2
IC14	E-3	Q13	E-4	TP17	F-4
IC15	E-3	Q14	E-5	TP18	D-4
IC16	F-1	Q15	B-4	TP19	D-4
IC17	D-1	Q17	B-5	TP20	D-2
IC18	E-2	Q18	A-5	TP21	D-2
IC19	E-1	Q25	B-1	TP23	C-2
IC20	E-1	Q501	B-3	TP24	C-3
IC21	F-2	Q502	A-4	TP25	F-2
IC22	F-1	Q503	C-3	TP26	F-2
IC24	B-2	Q504	C-4	TP27	F-4
IC25	B-2	Q601	B-3	TP28	C-1
IC26	A-2	Q602	A-3	TP29	C-1
IC27	B-2	Q603	A-4	TP30	D-1
IC31	B-1	Q604	C-3	TP31	F-4
IC32	C-1	Q605	C-3	TP501	B-3
IC33	D-1			TP601	B-3
IC34	B-1	RV1	C-5	TP701	F-2
IC35	D-3	RV2	A-5	TP702	F-2
IC36	D-2	RV4	A-4		
IC37	F-3	RV6	A-5	X1	E-1
IC38	D-3	RV7	B-3	X201	E-2
IC39	C-2	RV12	C-2		
IC50	D-5	RV13	C-2		
IC51	E-5	RV14	E-4		
IC53	E-5	RV17	D-1		
IC54	E-5	RV19	C-2		
IC56	E-5	RV20	C-2		
IC60	B-6	RV21	D-2		
IC70	E-5	RV22	D-1		
IC71	E-6	RV25	D-2		
IC72	F-6	RV26	D-2		
IC101	C-4	RV27	C-2		
IC102	D-4	RV28	C-2		
IC103	A-4	RV30	A-4		
IC104	A-4	RV31	A-4		
IC105	D-2	RV33	F-5		
IC106	G-4	RV34	F-5		
IC107	C-5	RV35	F-5		
IC108	G-4	RV36	E-5		
IC109	D-5	RV40	A-4		
IC110	G-5	RV41	F-6		
IC111	C-6	RV42	F-5		
IC112	G-4	RV203	A-2		
IC113	D-6	RV350	B-2		
IC114	F-2	RV501	B-3		
		RV502	A-3		



EN-48—COMPONENT SIDE—

1-622-546-14, 15
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

17-68



17-69

VO-18; VIDEO OUTPUT
DUS-270; SQUELCH BUFFER

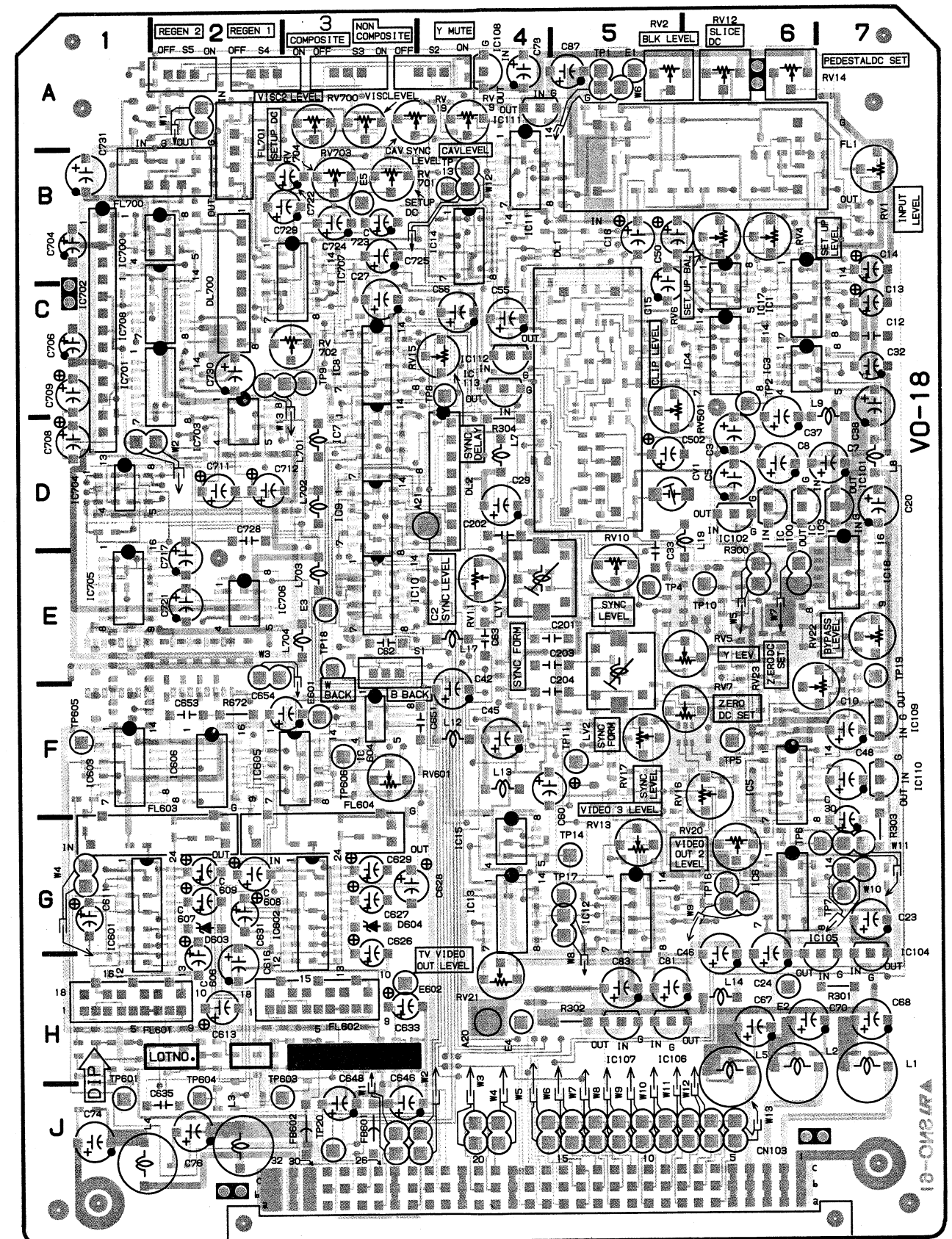
VO-18 (1-622-547-15, 16)

REF. NO.	TYPE	PIN NO.							
		+12V	+9V	+8V	+5V	GND	-5V	-8V	-12V
IC 1	MC34184M			4		1		11	5
IC 3	TL610CPS	8			12.14	5.7.10	1		
IC 4	CX20158				12.14	5.7.10	1		
IC 5	CX20158				14	5.7.10.12	1		
IC 6	CX20158				14	7			
IC 7	TC74HC00F				14	7			
IC 8	SN74LS06NS				14	7			
IC 9	TC74HC08F				14	7			
IC 10	TC74HC04F				14	7			
IC 12	CX20158				12.14	5.7.10	1		
IC 13	CX20158				14	5.7.10.12	1		
IC 15	TL082CPS	8			16	8	7		4
IC 16	MC14053BF								
IC 17	MC34182M		8				4		
IC 100	NJM78L05A	*	*	*	*	*	*	*	*
IC 101	NJM78L08A	*	*	*	*	*	*	*	*
IC 102	NJM78L05A	*	*	*	*	*	*	*	*
IC 103	NJM78L08A	*	*	*	*	*	*	*	*
IC 104	NJM78L05A	*	*	*	*	*	*	*	*
IC 105	NJM78L05A	*	*	*	*	*	*	*	*
IC 106	NJM78L05A	*	*	*	*	*	*	*	*
IC 107	NJM78L05A	*	*	*	*	*	*	*	*
IC 108	S-80230AG	*	*	*	*	*	*	*	*
IC 109	NJM78L08A	*	*	*	*	*	*	*	*
IC 110	NJM78L05A	*	*	*	*	*	*	*	*
IC 111	S-81230AG	*	*	*	*	*	*	*	*
IC 112	NJM78L05A	*	*	*	*	*	*	*	*
IC 113	NJM78L05A	*	*	*	*	*	*	*	*
IC 601	CX20111					1.11.13.17			
IC 602	CX20111					7			
IC 603	TC4030BF				14	8	4		
IC 604	NJM4558M				14	7			
IC 605	TC50403BF				16	8			
IC 606	TC4538BF					1	4		
IC 700	MB4002PF	8			14	7			
IC 701	SN74LS00NS					6			9
IC 702	BX381	2							4
IC 703	MC34182M	8			8				
IC 704	PC393G2						4		
IC 705	TC74HC123F	8			16	8			5
IC 706	TL610CPS				12.14	5.7.10	1		
IC 707	CX20158				14	7			
IC 708	SN74LS04NS								

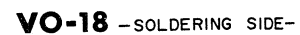
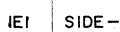
* REFER TO SCHEMATIC

VO-18 (1-622-547-15, 16)

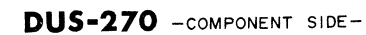
CN103	J-3	IC604	F-3	RV4	B-6
CV1	D-5	IC605	F-3	RV5	E-6
D1	E-3	IC606	F-2	RV6	B-6
D601	H-2	IC700	B-1	RV7	F-6
D602	H-3	IC701	C-2	RV9	A-4
D603	G-3	IC702	C-1	RV10	E-5
D604	G-3	IC703	D-2	RV11	E-4
D605	F-3	IC704	D-1	RV12	A-6
D652	F-3	IC705	E-1	RV13	G-5
		IC706	E-2	RV14	A-6
		IC707	B-3	RV15	C-4
		IC708	C-2	RV16	F-6
DL1	B-5	LV1	E-4	RV17	F-5
DL2	D-4	LV2	F-5	RV19	A-3
DL700	B-2			RV20	G-6
E1	A-5	Q1	A-5	RV21	H-4
E2	H-6	Q2	B-6	RV22	E-7
E3	E-3	Q3	A-6	RV23	E-6
E4	H-4	Q4	B-7	RV501	C-5
E5	B-3	Q5	B-7	RV601	F-3
FB01	F-3	Q6	D-5	RV700	A-3
FB02	H-3	Q7	E-5	RV701	B-3
		Q8	E-6	RV702	C-3
		Q9	E-6	RV703	B-3
		Q10	E-6	RV704	B-3
FL1	B-6	Q11	F-5		
FL601	H-1	Q12	F-6	S1	E-3
FL601	H-3	Q14	E-6	S2	A-4
FL603	G-1	Q15	E-5	S3	A-3
FL604	G-3	Q16	F-5	S4	A-2
FL700	B-1	Q17	F-5	S5	A-2
FL701	A-2	Q18	F-5		
		Q19	G-5	SL1	E-3
		Q20	F-5	SL2	E-3
		Q21	B-5	SL3	E-3
		Q22	B-5	SL700	C-2
		Q25	A-4	SL701	C-2
		Q26	B-5		
		Q27	G-5	TP1	A-5
		Q28	G-5	TP2	C-6
		Q29	G-4	TP4	E-5
		Q30	F-4	TP5	F-6
		Q31	E-4	TP6	G-6
		Q32	D-4	TP7	G-7
		Q33	E-7	TP8	C-4
		Q35	E-7	TP9	C-3
		Q36	E-6	TP10	E-6
		Q37	E-6	TP11	F-5
		Q38	F-6	TP13	B-4
		Q39	E-7	TP14	G-5
		Q40	C-3	TP16	G-6
		Q501	C-5	TP17	G-5
		Q502	C-5	TP18	E-3
		Q503	C-5	TP19	E-7
		Q504	C-5	TP20	J-3
		Q601	H-2	TP601	J-1
		Q603	H-3	TP603	J-2
		Q604	H-1	TP604	J-2
		Q605	J-2	TP605	F-1
		Q606	F-2	TP606	F-3
		Q700	A-1		
		Q701	A-1		
		Q702	B-2		
		Q703	A-2		
		Q704	C-3		
		RV1	B-7		
		RV2	A-5		



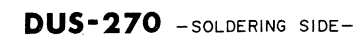
VO-18—COMPONENT SIDE—
1-622-547-15, 16
BVW-70
BVW-75
BVW-96



1-622-547-15, 16
BVW-70
BVW-75
BVW-96



1-627-293-11
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

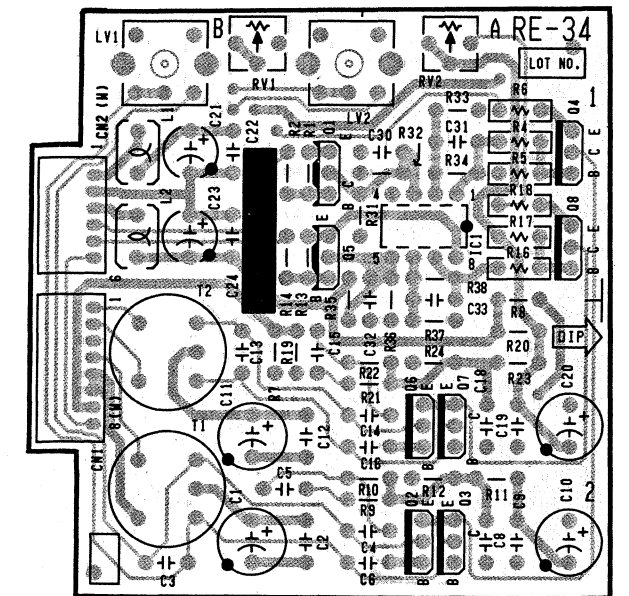


1-627-293-11
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

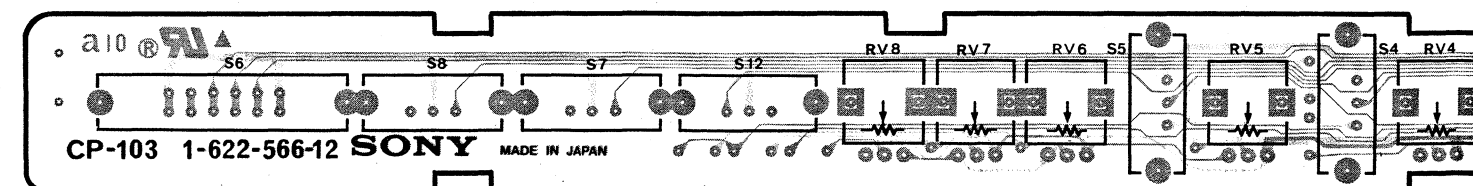
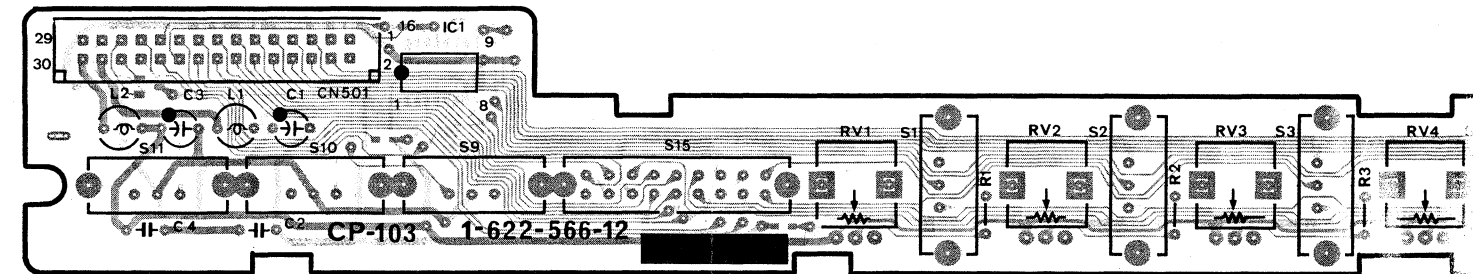
RE-34; ROTARY ERASE
CP-103; SUB CONTROL PANEL

RE-34 (1-622-552-12)

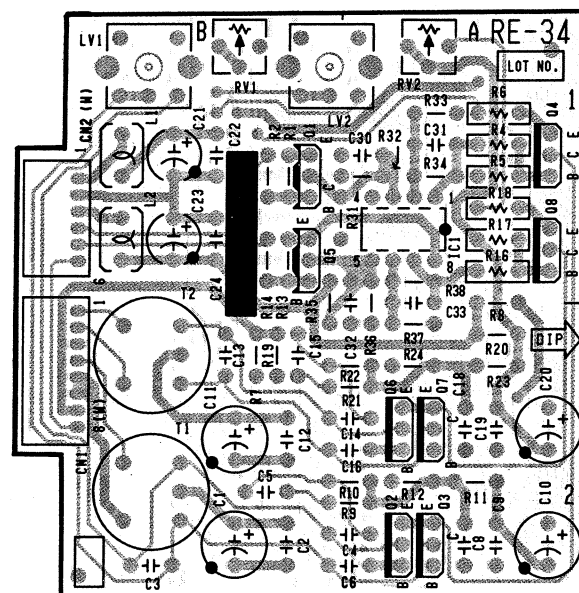
CN1	B-2
CN2	B-1
IC1	A-1
LV2	B-1
Q1	B-1
Q2	A-2
Q3	A-2
Q4	A-1
Q5	B-1
Q6	A-2
Q7	A-2
Q8	A-1
RV1	B-1
RV2	A-1
T1	B-2
T2	B-2



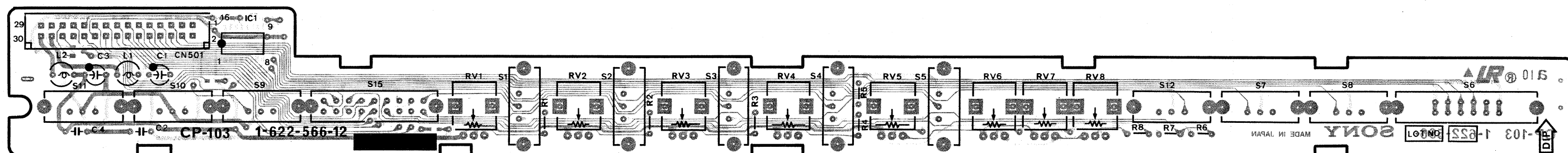
RE-34 - COMPONENT SIDE -
1-622-552-12
BVW-70
BVW-75
BVW-96



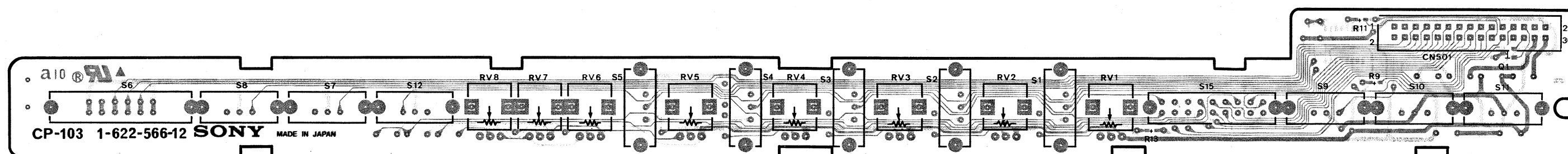
RE-34; ROTARY ERASE
CP-103; SUB CONTROL PANEL



RE-34 -COMPONENT SIDE-
1-622-552-12
BVW-70
BVW-75
BVW-96



CP-103 -COMPONENT SIDE-
1-622-566-12
BVW-70
BVW-75
BVW-96



CP-103 -SOLDERING SIDE-
1-622-566-12
BVW-70
BVW-75
BVW-96

CP-101; VIDEO/AUDIO INPUT

CP-101 (1-622-570-11)

REF. NO	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	CX20158		11.14	5.7.9.10	1	
IC 2	CX20158		11.14	5.7.9.10	1	
IC 101	NE5532P	8				4
IC 102	NE5532P	8				4
IC 201	NE5532P	8				4
IC 301	NE5532P	8				4
IC 302	NE5532P	8				4
IC 401	NE5532P	8				4

CP-101 (1-622-570-11)

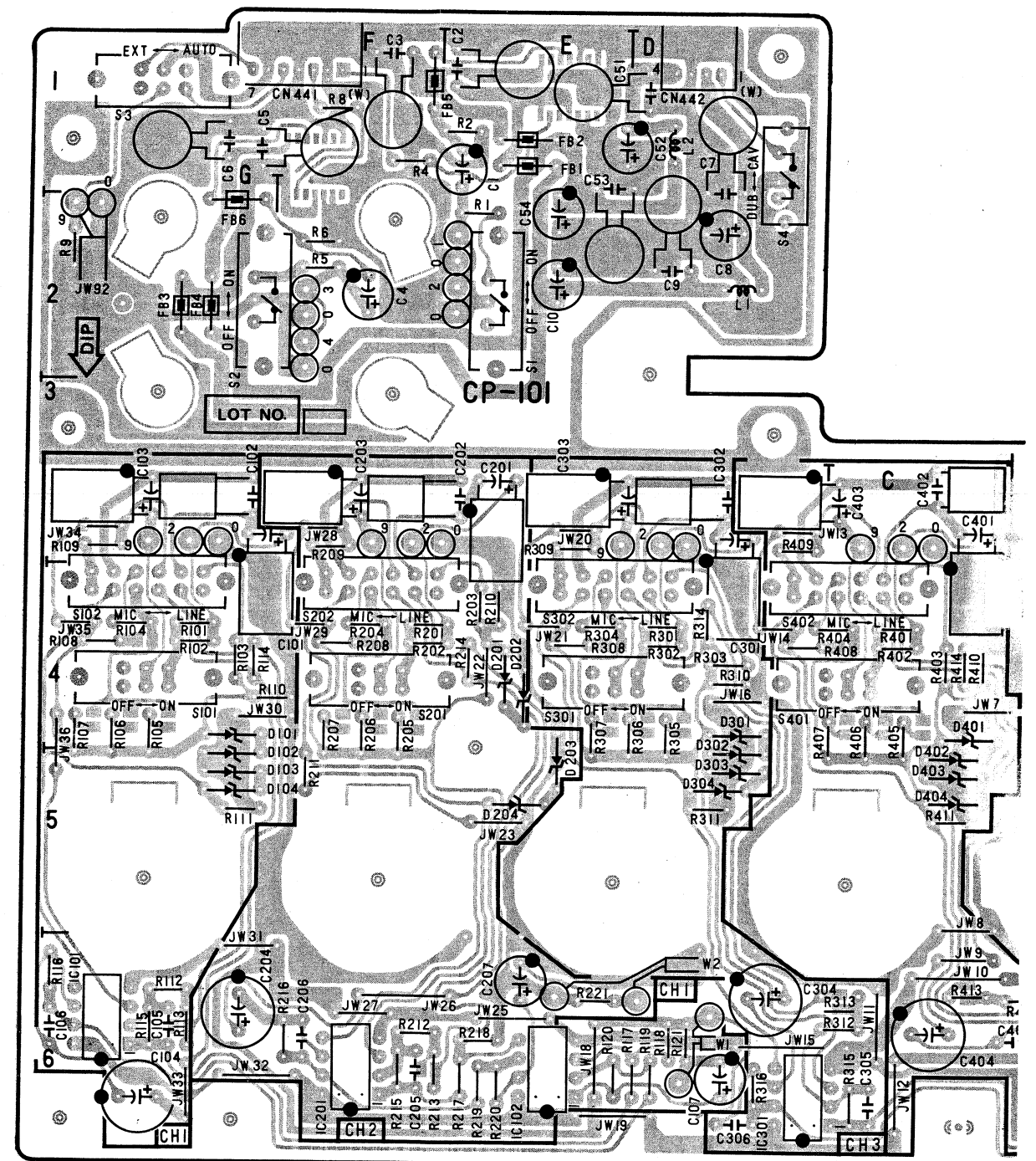
CN441 F-1
CN442 D-1
CN443 A-6
CN444 A-4

D101 G-4
D102 G-5
D103 G-5
D104 G-5
D201 E-4
D202 E-4
D203 E-5
D204 E-5
D301 D-4
D302 D-4
D303 D-3
D304 D-3
D401 C-4
D402 C-4
D403 C-5
D404 C-5

IC1 E-6
IC2 F-1
IC101 G-6
IC102 E-6
IC201 F-6
IC301 D-6
IC302 A-6
IC401 B-6

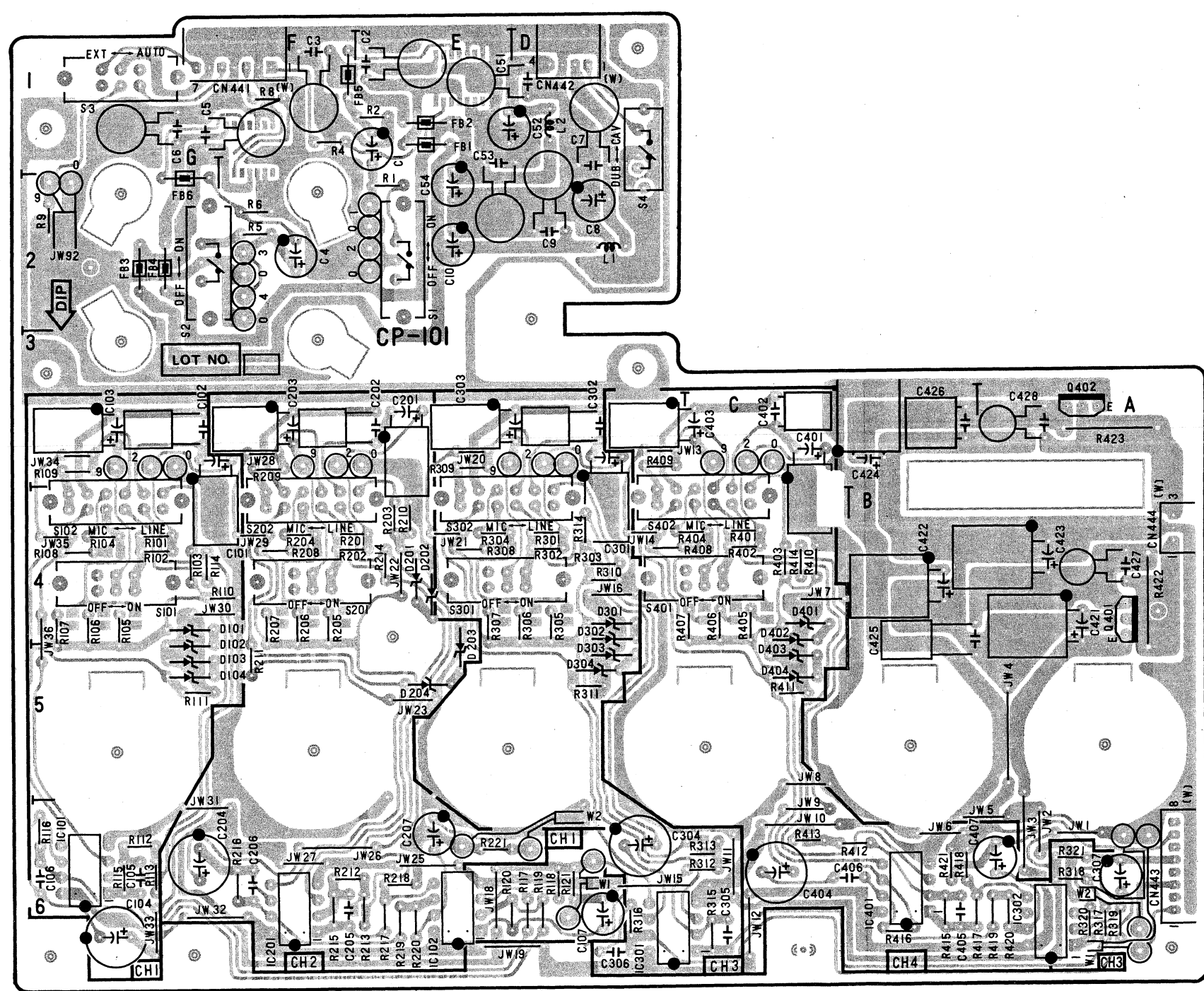
Q401 A-4
Q402 A-3

S1 E-2
S2 G-2
S3 G-1
S4 D-1
S101 G-4
S102 G-4
S201 F-4
S202 F-4
S301 E-4
S302 E-4
S401 C-4
S402 C-4



CP-101; VIDEO/AUDIO INPUT

570-11)



CP-101 - COMPONENT SIDE -
1- 622- 570-11
BVW-70
BVW-75
BVW-96

BF-28; AUDIO BUFFER/LEVEL DETECTOR
VR-42; AUDIO REC/PB VOLUME

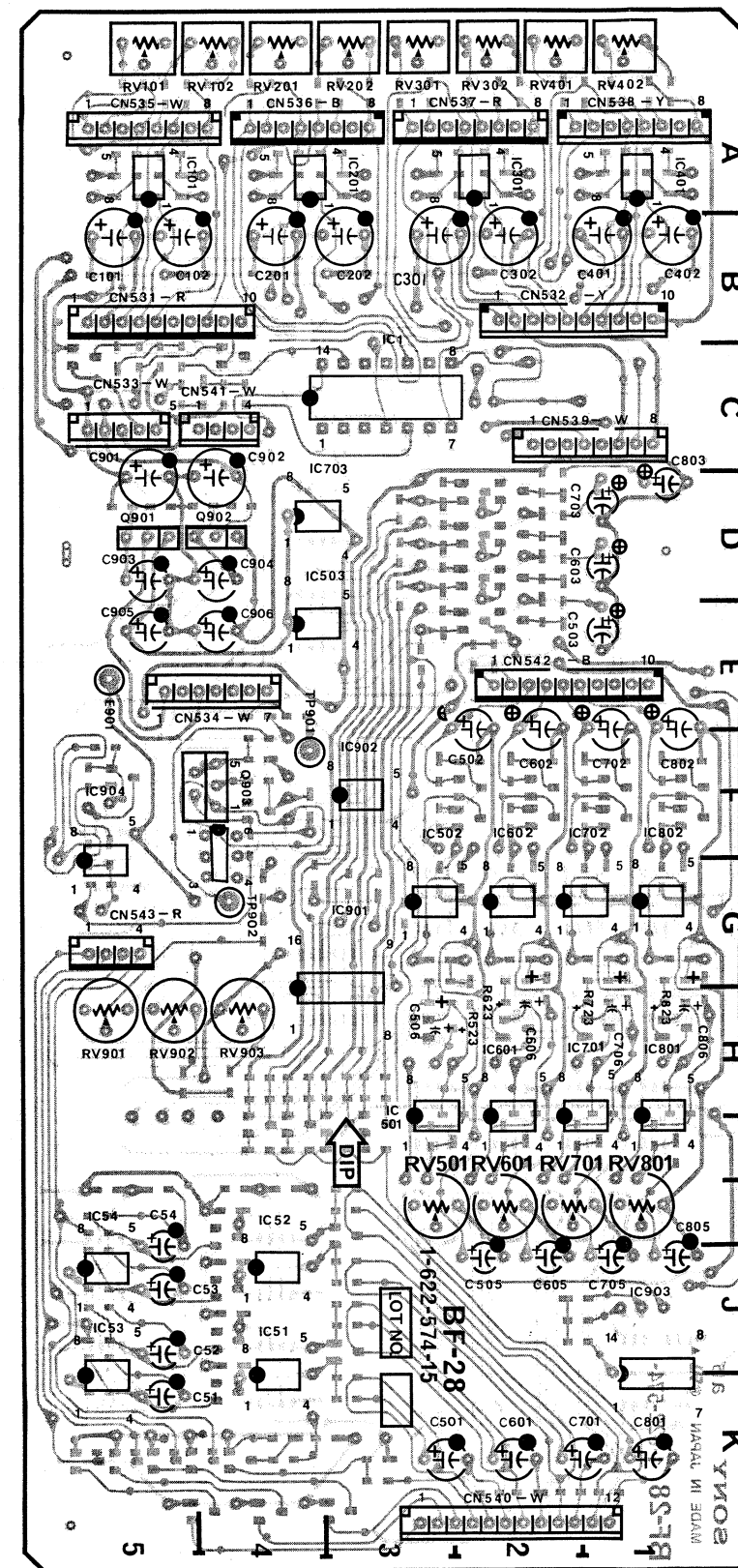
BF-28 (1-622-574-13,14,15)

REF. NO.	TYPE	PIN NO.			
		+12V	+8V	-8V	-12V
IC 1	CX770	*			*
IC 51	NJM2903M	8			4
IC 52	NJM2903M	8			4
IC 53	NJM2903M	8			4
IC 54	NJM2903M	8			4
IC 101	NJM2041M-D	8			4
IC 201	NJM2041M-D	8			4
IC 301	NJM2041M-D	8			4
IC 401	NJM2041M-D	8			4
IC 501	NJM4560M		8	4	
IC 502	NJM4560M		8	4	
IC 503	NJM4560M		8	4	
IC 601	NJM4560M		8	4	
IC 602	NJM4560M		8	4	
IC 701	NJM4560M		8	4	
IC 702	NJM4560M		8	4	
IC 703	NJM4560M		8	4	
IC 801	NJM4560M		8	4	
IC 802	NJM4560M		8	4	
IC 901	BU4052BF		16	8	
IC 902	NJM2041M-D		8	4	
IC 903	TC4030BF		14	7	
IC 904	NJM4560M		8	4	

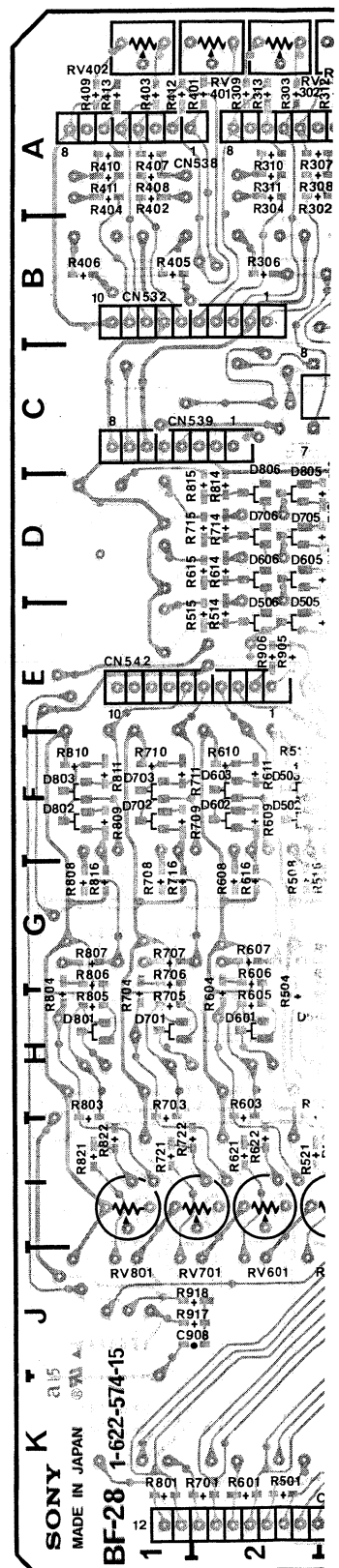
* REFER TO SCHEMATIC

BF-28 (1-622-574-13,14,15)

CN531	B-5	Q1	C-5
CN532	B-2	Q2	C-4
CN533	C-5	Q51	K-4
CN534	E-4	Q52	K-5
CN535	A-5	Q53	K-4
CN536	A-4	Q54	K-5
CN537	A-2	Q55	K-3
CN538	A-1	Q56	K-5
CN539	C-1	Q57	K-4
CN540	K-2	Q58	K-4
CN541	C-4	Q501	I-3
CN542	E-2	Q601	I-3
CN543	G-5	Q701	I-4
		Q801	I-4
		Q901	D-5
		Q902	D-4
		Q903	F-4
D51	J-3	RV101	A-5
D52	I-3	RV102	A-4
D53	K-4	RV201	A-4
D54	J-4	RV202	A-3
D55	J-4	RV301	A-3
D56	I-4	RV302	A-2
D501	H-3	RV401	A-2
D502	F-2	RV402	A-1
D503	F-2	RV501	I-3
D505	E-2	RV601	I-2
D506	E-2	RV701	I-2
D601	H-2	RV801	I-1
D602	F-2	RV901	H-5
D603	F-2	RV902	H-5
D605	D-2	RV903	H-4
D606	D-2		
D701	H-1	TP901	F-4
D702	F-1	TP902	G-4
D703	F-1		
D705	D-2		
D706	D-2		
D801	H-1		
D802	F-1		
D803	F-1		
D805	D-2		
D806	D-2		
D901	F-4		
D902	F-5		
E901	E-5		
IC1	C-3		
IC51	J-4		
IC52	J-4		
IC53	J-5		
IC54	J-5		
IC101	A-5		
IC201	A-4		
IC301	A-2		
IC401	A-1		
IC501	H-3		
IC502	G-3		
IC503	E-4		
IC601	H-2		
IC602	G-2		
IC701	H-1		
IC702	G-1		
IC703	D-4		
IC801	H-1		
IC802	G-1		
IC901	G-3		
IC902	F-3		
IC903	J-1		
IC904	F-5		



BF-28—COMPONENT SIDE—

1-622-574-13, 14, 15
BVW-70
BVW-75
BVW-96

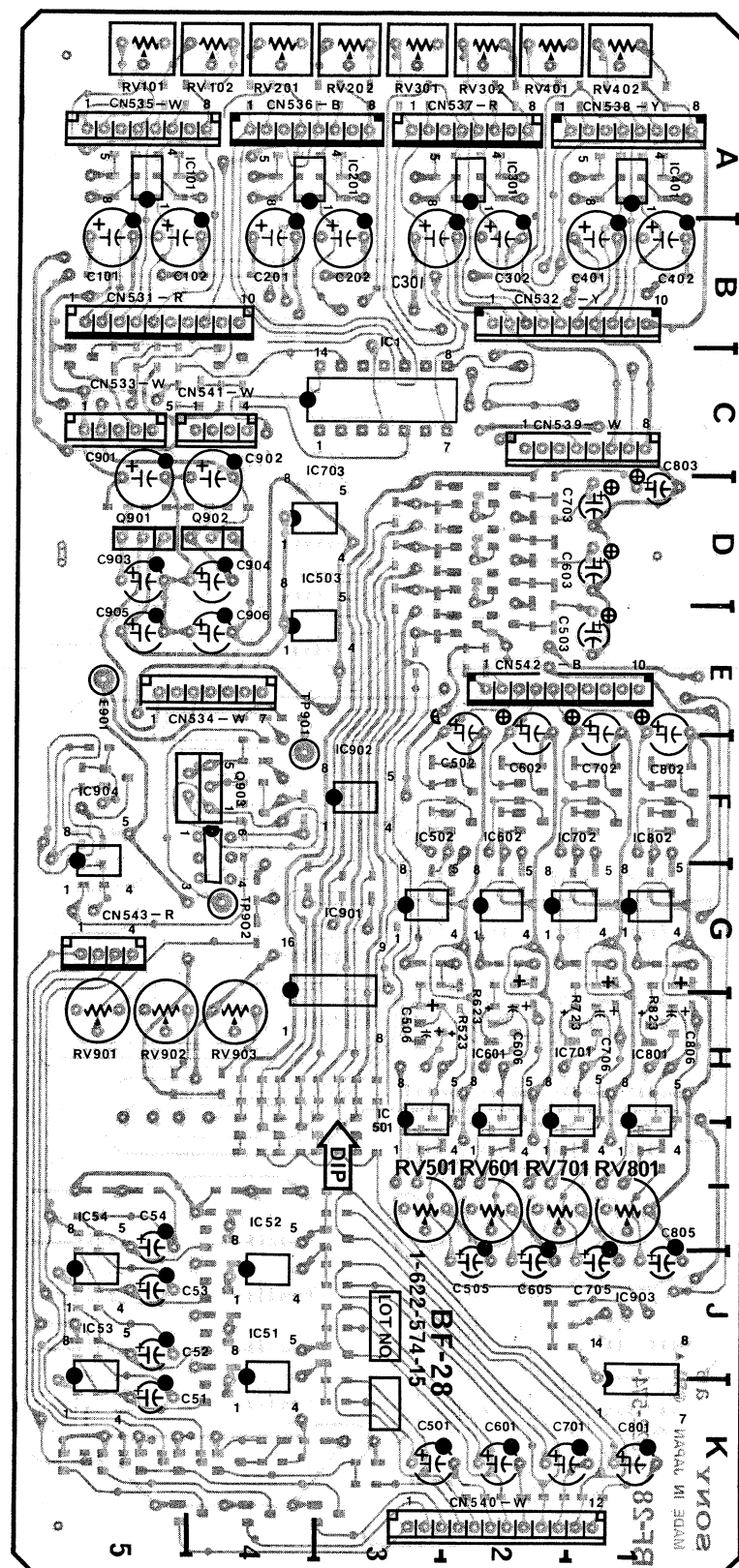
BF-28; AUDIO BUFFER/LEVEL DETECTOR
VR-42; AUDIO REC/PB VOLUME

1-13,14,15

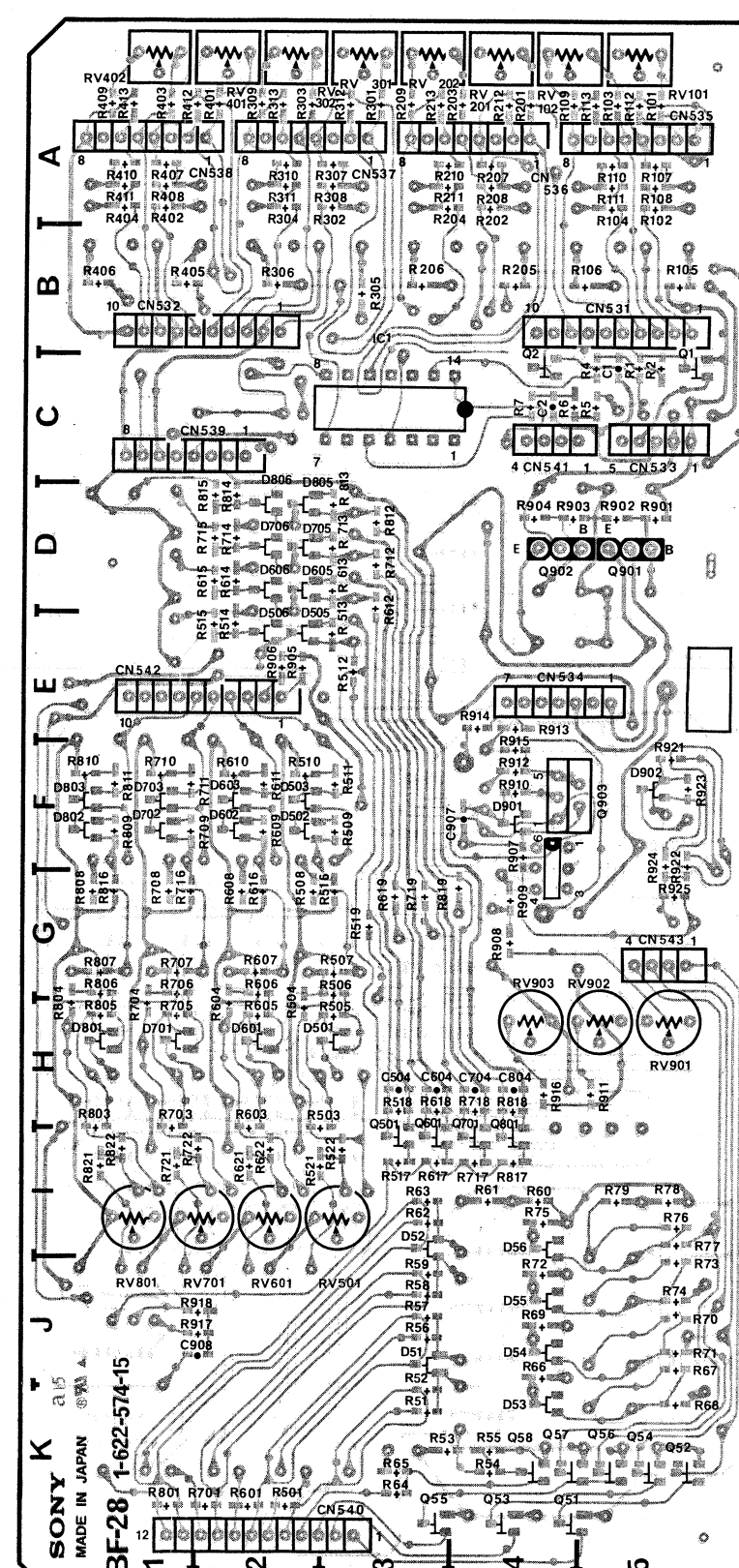
1 C-5
2 C-4
Q51 K-4
Q52 K-5
53 K-4
54 K-5
55 K-3
Q56 K-5
Q57 K-4
58 K-4
501 I-3
501 I-3
Q701 I-4
Q801 I-4
901 D-5
902 D-4
903 F-4

RV101 A-5
V102 A-4
V201 A-4
V202 A-3
RV301 A-3
RV302 A-2
V401 A-2
V402 A-1
V501 I-3
RV601 I-2
RV701 I-2
V801 I-1
V901 H-5
V902 H-5
RV903 H-4

P901 F-4
P902 G-4



BF-28—COMPONENT SIDE—
1-622-574-13, 14, 15
BVW-70
BVW-75
BVW-96



BF-28—SOLDERING SIDE—
1-622-574-13, 14, 15
BVW-70
BVW-75
BVW-96

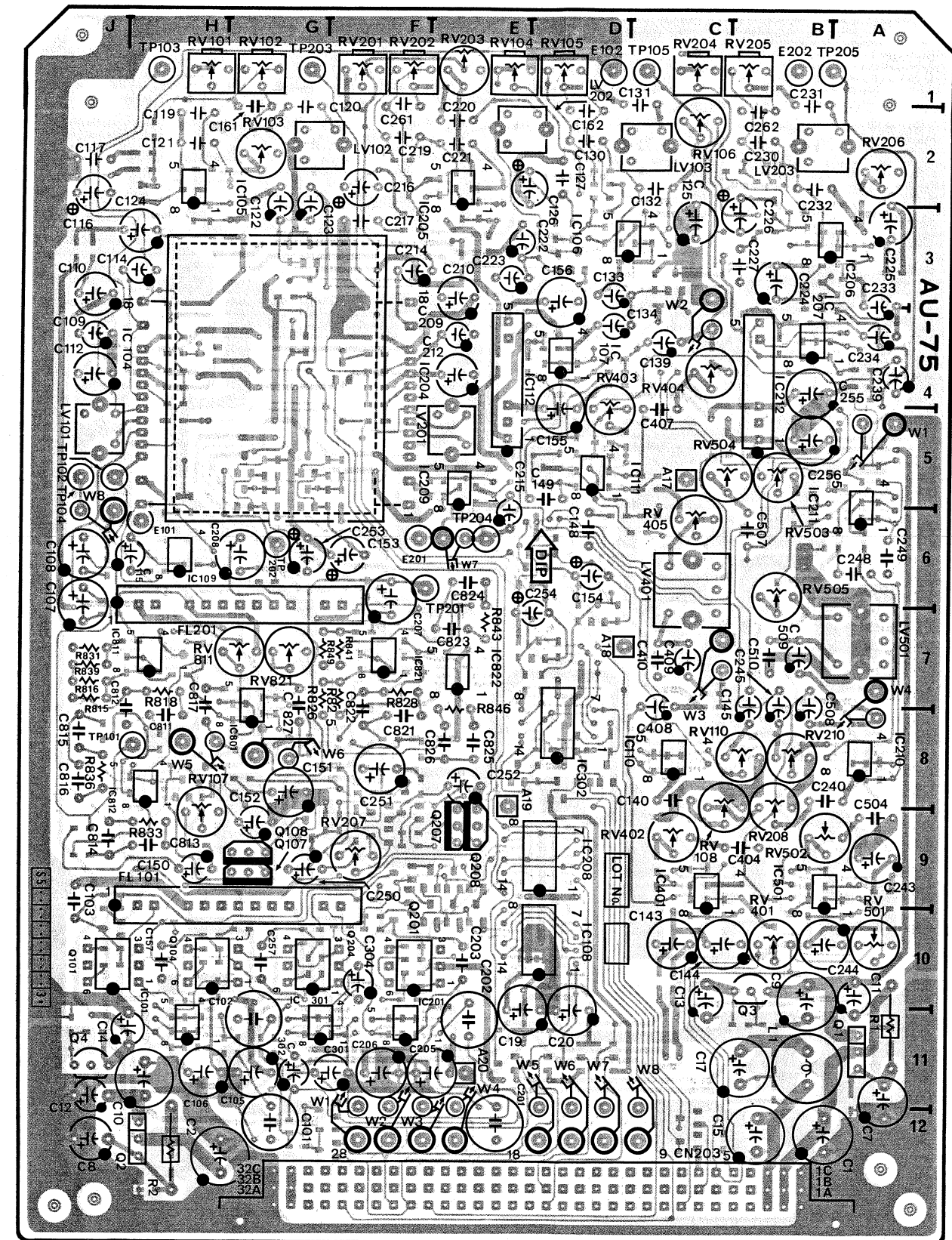
AU-75; LNG AUDIO REC/PB AMPLIFIER

AU-75 (1-622-567-13)

REF.NO.	TYPE	PIN NO.				
		+11V	+7V	GND	-7V	-11V
IC 101	NJM2041M-D	8				
IC 104	BX1152		12	1.6.18	14	4
IC 105	NJM4560M	8				4
IC 106	NJM4560M	8				4
IC 107	NJM4560M	8				4
IC 108	TC4011BF		14		7	
IC 109	NJM5532M	8				4
IC 110	NJM2041M-D	8				4
IC 111	NJM2041M-D	8				4
IC 112	BX1343A	3		5		1
IC 201	NJM2041M-D	8				4
IC 204	BX1152		12	1.6.18	14	4
IC 205	NJM4560M	8				4
IC 206	NJM4560M	8				4
IC 207	NJM4560M	8				4
IC 208	TC4011BF		14		7	
IC 209	NJM5532M	8				4
IC 210	NJM2041M-D	8				4
IC 211	NJM2041M-D	8				4
IC 212	BX1343A	3		5		1
IC 301	NJM2041M-D	8				4
IC 302	TC4081BF		14	7		
IC 401	NJM4560M	8				4
IC 501	NJM4560M	8				4
IC 801	NJM2041M-D	8				4
IC 811	NJM2041M-D	8				4
IC 812	NJM2041M-D	8				4
IC 821	NJM2041M-D	8				4
IC 822	NJM2041M-D	8				4

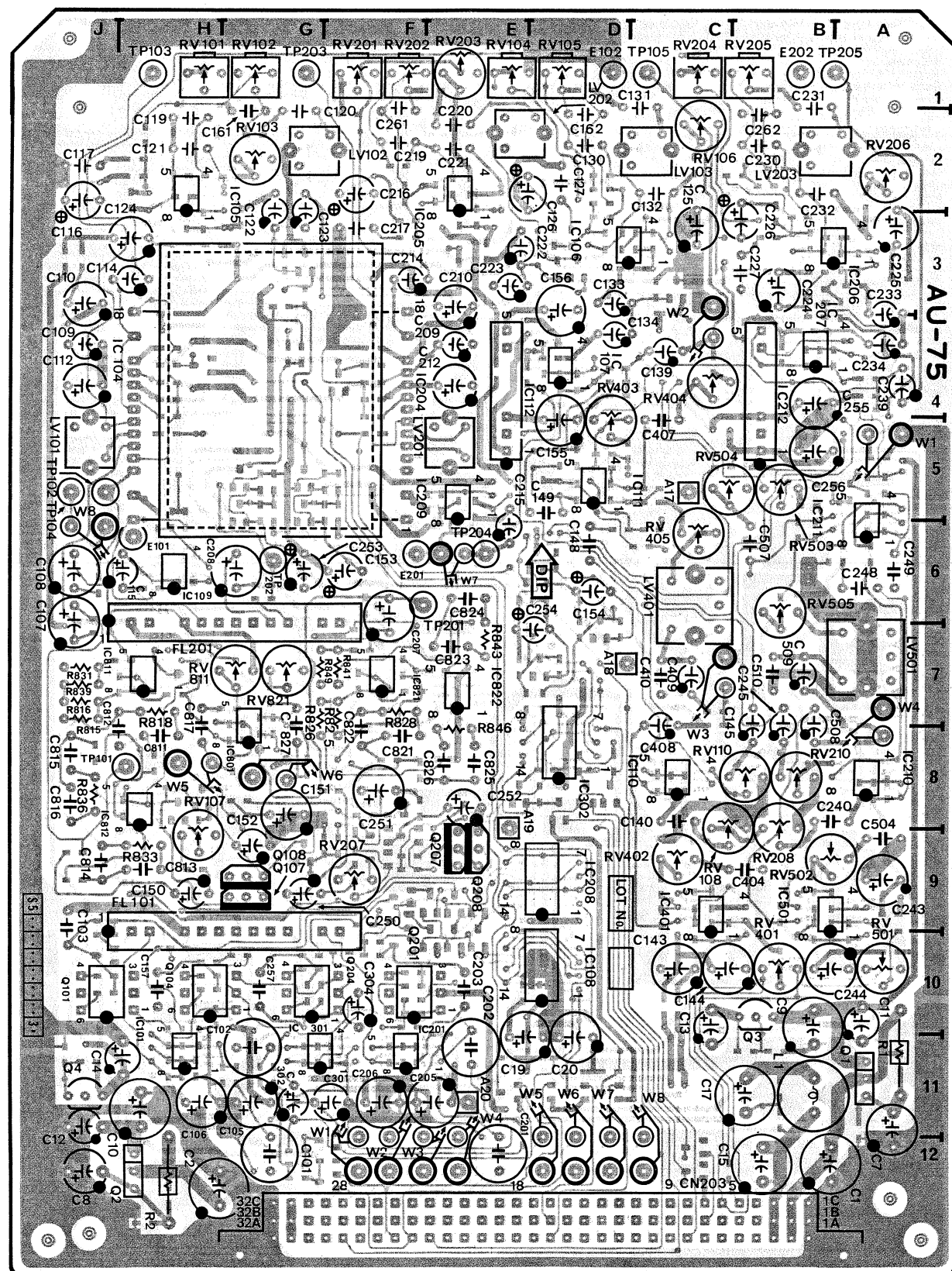
AU-75 (1-622-567-13)

CN203	D-12	Q109	D-11
D101	J-10	Q110	D-11
D102	H-4	Q111	G-5
D103	H-8	Q112	D-6
D104	C-12	Q113	E-10
D105	G-5	Q114	E-9
D106	D-7	Q115	E-10
D201	F-10	Q116	E-9
D202	F-4	Q201	F-10
D203	F-9	Q202	D-3
D204	C-12	Q203	B-3
D205	G-5	Q204	G-10
D206	D-7	Q205	F-9
D301	G-12	Q206	F-9
		Q207	E-9
		Q208	E-9
E101	H-6	Q209	E-11
E102	D-1	Q210	D-11
E201	F-6	Q211	G-5
E202	B-1	Q212	E-6
		Q213	E-10
FL101	G-9	Q214	F-9
FL201	H-7	Q215	E-9
		Q216	F-9
		Q301	G-11
		Q302	D-8
		Q303	E-8
		Q304	D-8
		Q305	D-8
IC101	H-11	RV101	H-1
IC104	H-4	RV102	G-1
IC105	H-2	RV103	G-2
IC106	D-3	RV104	E-1
IC107	D-4	RV105	D-1
IC108	D-10	RV106	C-2
IC109	H-6	RV107	H-9
IC110	C-8	RV108	C-8
IC111	D-5	RV110	B-8
IC112	E-4	RV201	F-1
IC201	F-11	RV202	F-1
IC204	F-4	RV203	E-1
IC205	F-2	RV204	C-1
IC206	B-3	RV205	B-1
IC207	B-4	RV206	A-2
IC208	D-9	RV207	F-9
IC209	E-5	RV208	B-8
IC210	A-8	RV210	B-8
IC211	A-5	RV401	B-10
IC212	B-4	RV402	C-9
IC301	F-10	RV403	D-4
IC302	D-8	RV404	C-4
IC401	C-9	RV405	C-6
IC501	B-9	RV501	A-10
IC801	G-8	RV502	B-9
IC811	H-7	RV503	B-5
IC812	H-8	RV504	C-5
IC821	E-7	RV505	B-6
IC822	F-7	RV811	G-7
		RV812	G-7
LV101	J-5	TP101	J-8
LV102	G-2	TP102	J-5
LV103	C-2	TP103	H-1
LV201	E-5	TP104	J-5
LV202	E-2	TP105	C-1
LV203	B-2	TP201	F-6
LV401	C-6	TP202	G-6
LV501	A-7	TP203	G-1
		TP204	E-6
		TP205	B-1
Q1	A-11		
Q2	H-12		
Q3	B-10		
Q4	J-11		
Q101	J-10		
Q102	G-3		
Q103	C-3		
Q104	H-10		
Q105	H-8		
Q106	G-9		
Q107	G-9		
Q108	G-9		

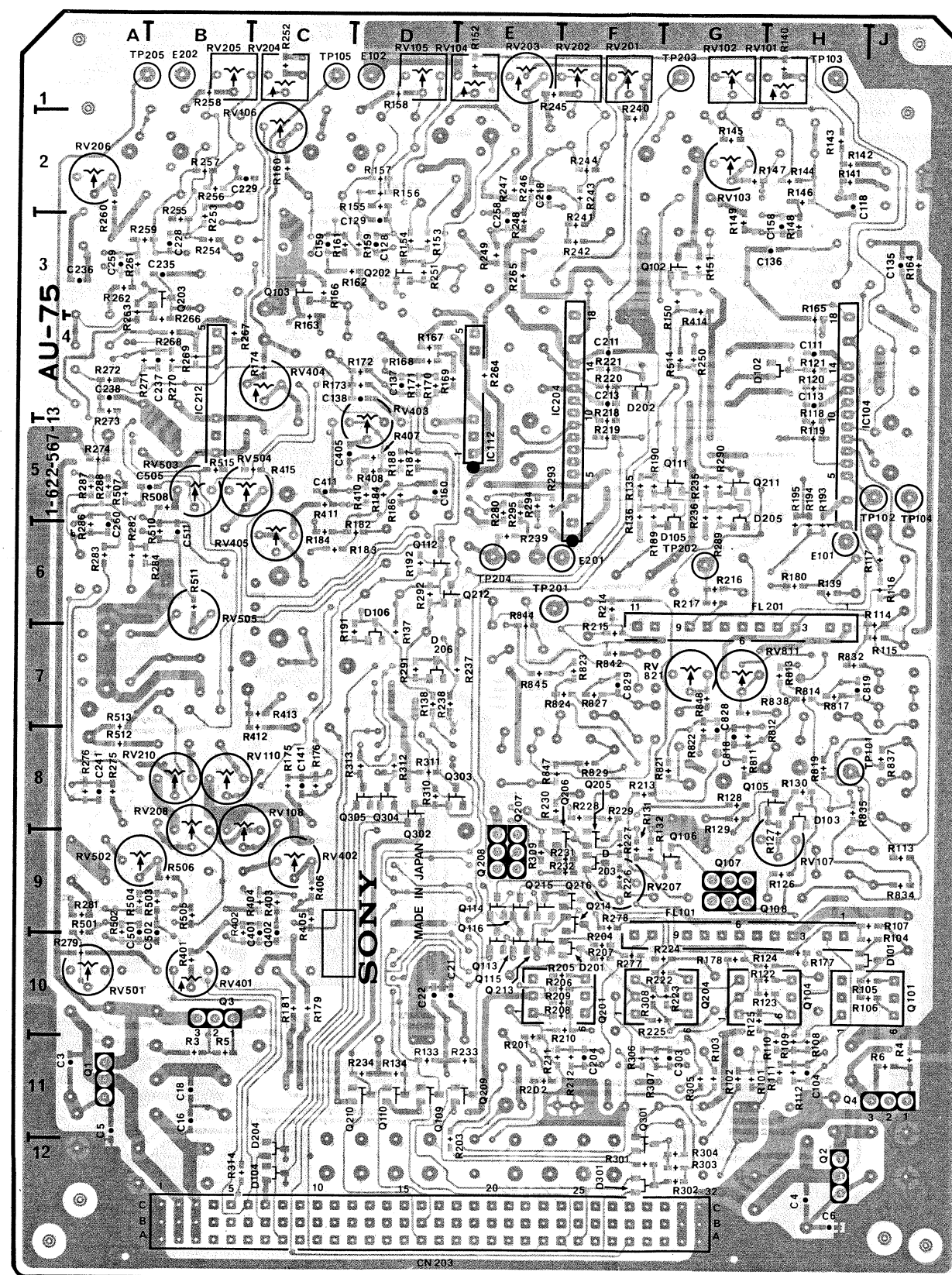


AU-75 - COMPONENT SIDE -
1-622-567-13
BVW-70
BVW-75
BVW-96

AU-75; LNG AUDIO REC/PB AMPLIFIER



AU-75 -COMPONENT SIDE-
1-622-567-13
BVW-70
BVW-75
BVW-96



AU-75 -SOLDERING SIDE-
1-622-567-13
BVW-70
BVW-75
BVW-96

AU-76 (1-622-568-14, 15)

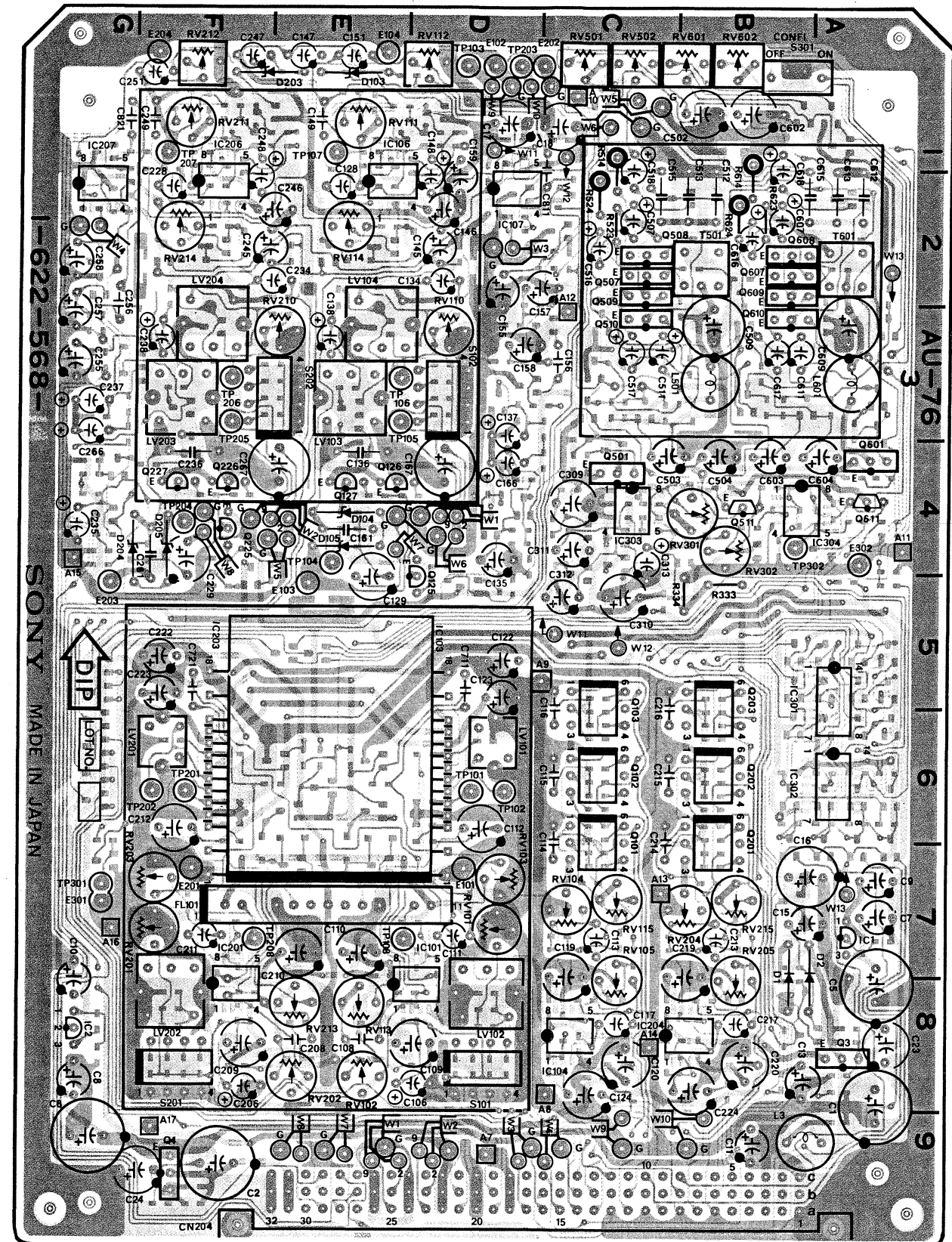
REF. NO.	TYPE	PIN NO.						
		+12V	+11V	+7V	GND	-7V	-11V	-12V
IC 1	NJM78L05A	*		*	2	*		*
IC 2	NJM79L05A	*		*	3	*		*
IC 101	NJM2043M-D		*				*	
IC 103	BX1152			12	1.6.18	14		
IC 104	RC5532M		*				*	
IC 106	NJM2043M-D			*		*		
IC 107	NJM2041M-D			8		4		
IC 201	NJM2043M-D		*			*		
IC 203	BX1152			12	1.6.18	14		
IC 204	RC5532M		*				*	
IC 206	NJM2043M-D			*		*		
IC 207	NJM2041M-D			8		4		
IC 301	TC4011BF			14		7		
IC 302	TC4001BF			14		7		
IC 303	RC5532M	*						*
IC 304	RC5532M	*						*

* REFER TO SCHEMATIC

AU-76 (1-622-568-14, 15)

CN204	C-9	IC302	A-6	Q213	F-1	Q701	E-6	TP101	D-6
D1	B-7	IC303	C-4	Q215	G-3	Q711	E-7	TP102	D-6
D2	B-7	IC304	B-4	Q216	G-2	Q712	E-6	TP103	D-1
D3	B-7			Q217	G-2	Q713	E-6	TP104	E-4
D101	D-4	LV101	D-6	Q218	A-5	Q721	E-7	TP105	E-3
D102	E-3	LV102	D-7	Q219	B-5	Q722	E-6	TP106	E-3
D103	E-1	LV103	E-3	Q220	A-5	Q723	E-6	TP107	E-1
D104	E-4	LV104	E-3	Q221	B-5	Q801	D-1	TP108	D-8
D105	E-4	LV201	F-6	Q222	A-6	Q811	E-2	TP201	F-6
D106	E-5	LV202	F-7	Q223	B-6	Q812	E-2	TP202	F-6
D201	G-4	LV203	F-3	Q224	F-5	Q813	D-2	TP203	D-1
D202	F-3	LV204	F-3	Q225	F-4	Q821	F-2	TP204	F-4
D203	F-1	Q1	A-8	Q226	F-4	Q822	F-2	TP205	F-3
D204	F-4	Q2	G-7	Q227	F-4	Q823	G-1	TP206	F-3
D205	F-4	Q3	A-8	Q301	A-7			TP207	F-1
D206	E-6	Q4	F-9	Q302	A-6	RV101	D-7	TP208	E-7
D301	C-4	Q101	C-7	Q303	B-7	RV102	E-8	TP301	G-7
D302	C-4	Q102	C-6	Q304	B-6	RV103	D-7	TP302	B-4
D303	G-6	Q103	C-5	Q305	A-7	RV104	C-7		
D501	C-3	Q104	C-8	Q306	A-6	RV105	C-7		
D502	B-4	Q105	D-3	Q307	A-7	RV110	D-3		
D503	B-2	Q106	D-4	Q308	A-6	RV111	E-1		
D601	B-3	Q107	E-3	Q309	G-6	RV112	D-1		
D602	A-4	Q108	G-5	Q310	G-6	RV113	E-8		
D603	A-2	Q110	E-3	Q311	G-6	RV114	E-2		
E101	D-7	Q111	D-1	Q313	C-4	RV115	C-7		
E102	D-1	Q112	D-1	Q314	C-4	RV201	F-7		
E103	E-5	Q113	E-1	Q315	C-4	RV202	F-8		
E104	E-1	Q115	C-2	Q316	A-1	RV203	F-7		
E201	F-7	Q116	C-3	Q317	A-3	RV204	B-7		
E202	C-1	Q117	D-3	Q318	A-1	RV205	B-7		
E203	G-5	Q118	A-5	Q501	C-4	RV210	E-3		
E204	F-1	Q119	A-5	Q502	C-4	RV211	F-1		
E301	G-7	Q120	A-5	Q503	C-1	RV212	F-1		
E302	A-4	Q121	A-5	Q504	C-3	RV213	E-8		
FL101	E-7	Q122	A-6	Q505	C-3	RV214	F-2		
IC1	A-7	Q123	A-6	Q506	C-3	RV215	B-7		
IC2	G-8	Q124	D-5	Q507	C-2	RV301	B-4		
IC101	D-8	Q125	D-5	Q508	C-2	RV302	B-4		
IC103	D-6	Q126	E-4	Q509	C-2	RV501	C-1		
IC104	C-8	Q127	E-4	Q510	C-3	RV502	C-1		
IC106	E-2	Q201	B-7	Q511	B-4	RV601	B-1		
IC107	D-2	Q202	B-6	Q601	A-4	RV602	B-1		
IC201	F-8	Q203	B-5	Q602	A-3			S101	D-8
IC203	F-6	Q204	B-8	Q603	B-1			S102	D-3
IC204	B-8	Q205	G-3	Q604	A-3			S201	F-8
IC206	F-2	Q206	G-4	Q605	B-3			S202	E-3
IC207	G-2	Q207	F-4	Q606	B-3			S301	B-1
IC301	A-5	Q208	G-5	Q607	B-2				
		Q209	F-3	Q608	B-2			T501	B-2
		Q210	F-1	Q609	B-2			T601	A-2
		Q211	F-1	Q610	B-3				
		Q212	F-1	Q611	A-4				

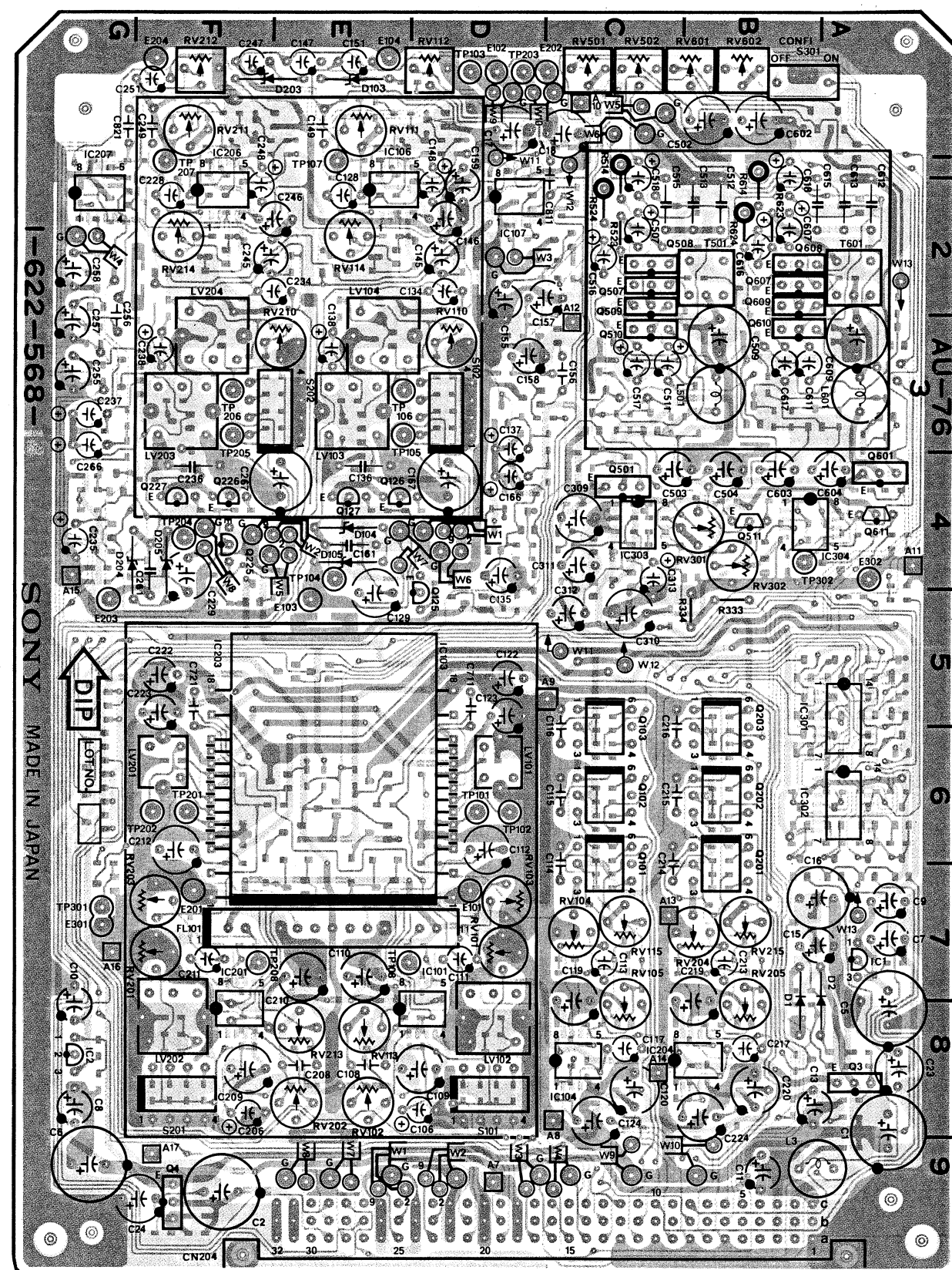
17-105 (a)



AU-76 - COMPONENT SIDE -
1-622-568-14, 15
BVW-70
BVW-75
BVW-96

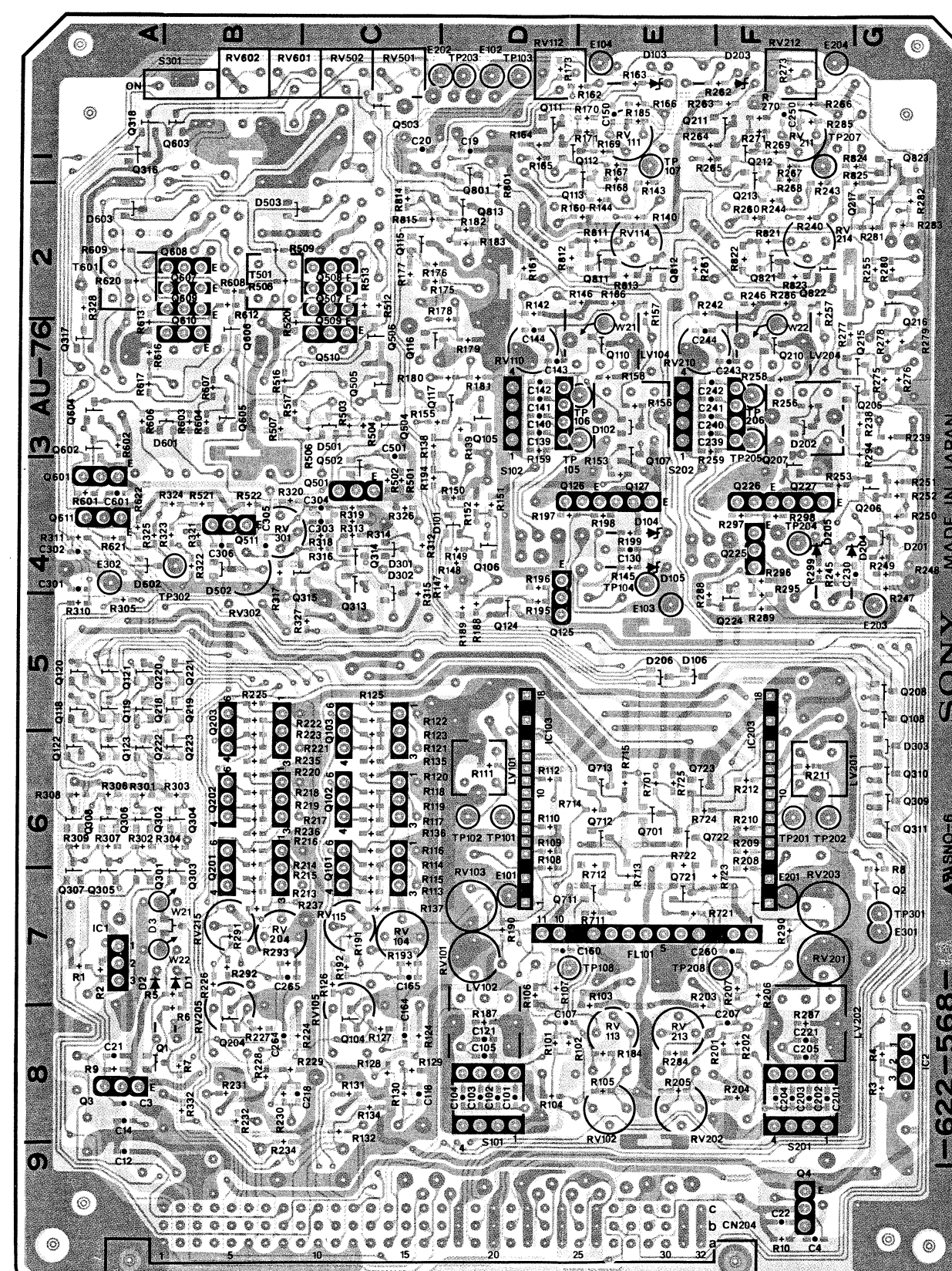
17-106 (a)

AU-76; LNG AUDIO HEAD AMPLIFIER, BIAS OSCILLATOR

UC; Up to S/N 14821
J; Up to S/N 12028

AU-76 -COMPONENT SIDE-
I-622-568-14, 15
BVW-70
BVW-75
BVW-96

17-106 (a)



AU-76 -SOLDERING SIDE-
I-622-568-14, 15
BVW-70
BVW-75
BVW-96

17-107 (a)

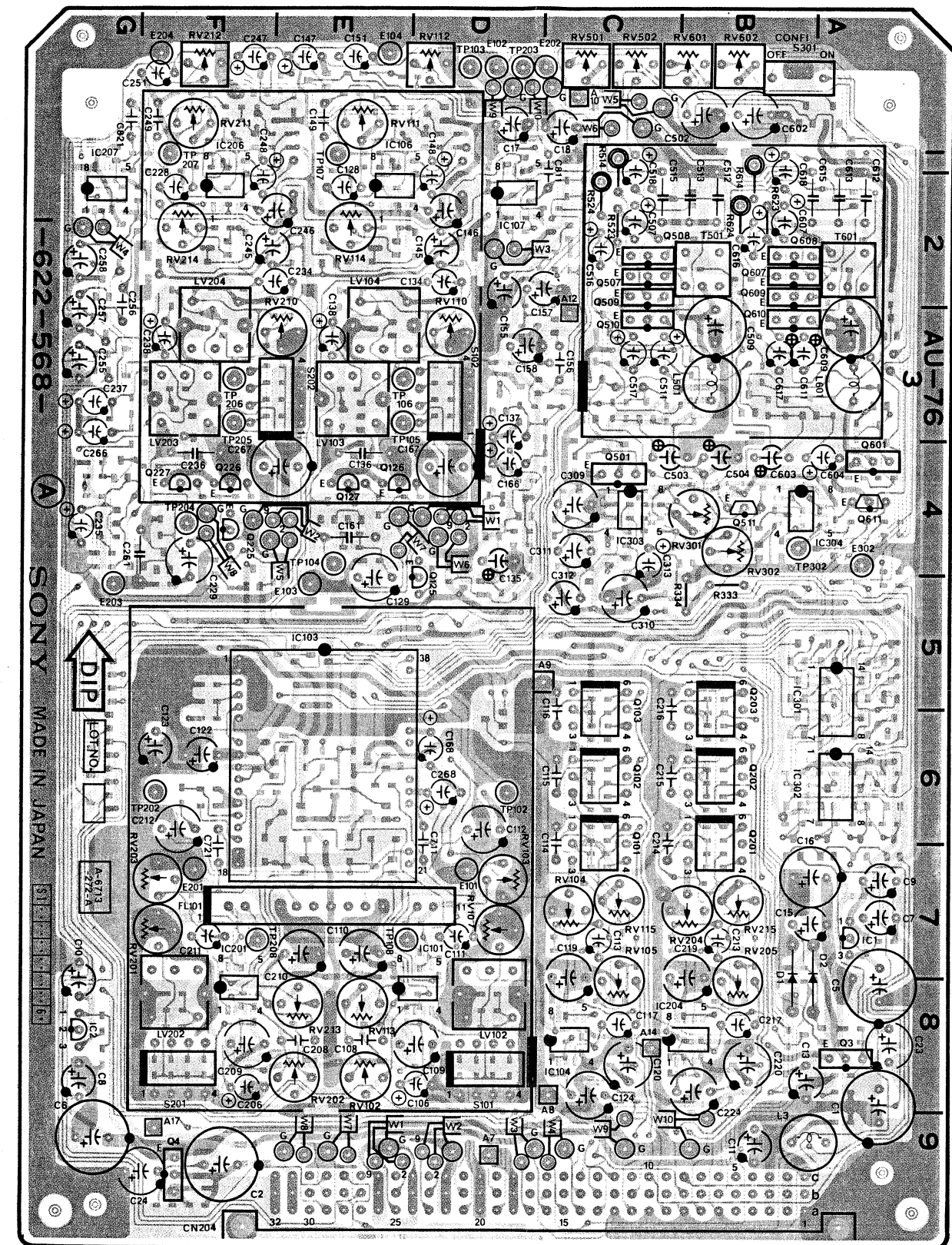
AU-76 (1-622-568-16)

REF. NO.	TYPE	PIN NO.							
		+12V	+11V	+7V	GND	-7V	-11V	-12V	
IC 1	NJM78L05A	*		*	2	*		*	
IC 2	NJM79L05A	*		*	3	*		*	
IC 101	NJM2043M-D		*			*	*		
IC 103	BX1152			12	1.6.18	14	*		
IC 104	NJM5532M		*			*	*		
IC 106	NJM2043M-D			*		*	*		
IC 107	NJM2041M-D			8		4	*		
IC 201	NJM2043M-D		*			*	*		
IC 204	NJM5532M		*			*	*		
IC 206	NJM2043M-D			*		*			
IC 207	NJM2041M-D			8		4			
IC 301	TC4011BF			14		7			
IC 302	TC4001BF			14		7			
IC 303	NJM5532M	*						*	
IC 304	NJM5532M	*						*	

* REFER TO SCHEMATIC

AU-76 (1-622-568-16)

CN204	C-9	IC302	A-6	Q216	G-2	Q712	E-6	TP101	D-6
D1	B-7	IC303	C-4	Q217	G-2	Q713	E-6	TP102	D-6
D2	B-7	IC304	B-4	Q218	A-5	Q721	E-7	TP103	D-1
D3	B-7			Q219	B-5	Q722	E-6	TP104	E-4
D101	D-4	LV102	D-7	Q220	A-5	Q723	E-6	TP105	E-3
D102	E-3	LV103	E-3	Q221	B-5	Q801	D-1	TP106	E-3
D103	E-1	LV104	E-3	Q222	A-6	Q811	E-2	TP107	E-1
D104	E-4	LV202	F-7	Q223	B-6	Q812	E-2	TP108	D-8
D105	E-4	LV203	F-3	Q224	F-5	Q813	D-2	TP201	F-6
D106	E-5	LV204	F-3	Q225	F-4	Q821	F-2	TP202	F-6
D201	G-4	Q1	A-8	Q226	F-4	Q822	F-2	TP203	D-1
D202	F-3	Q2	G-7	Q227	F-4	Q823	G-1	TP204	F-4
D203	F-1	Q3	A-8	Q301	A-7			TP205	F-3
D204	F-4	Q4	F-9	Q302	A-6	RV101	D-7	TP206	F-3
D205	F-4	Q101	C-7	Q303	B-7	RV102	E-8	TP207	F-1
D206	E-6	Q102	C-6	Q304	B-6	RV103	D-7	TP208	E-7
D301	C-4	Q103	C-5	Q305	A-7	RV104	C-7	TP301	G-7
D302	C-4	Q104	C-8	Q306	A-6	RV105	C-7	TP302	B-4
D303	G-6	Q105	D-3	Q307	A-7	RV110	D-3		
D501	C-3	Q106	D-4	Q308	A-6	RV111	E-1		
D502	B-4	Q107	E-3	Q309	G-6	RV112	D-1		
D503	B-2	Q108	G-5	Q310	G-6	RV113	E-8		
D601	B-3	Q110	E-3	Q311	G-6	RV114	E-2		
D602	A-4	Q111	D-1	Q313	C-4	RV115	C-7		
D603	A-2	Q112	D-1	Q314	C-4	RV201	F-7		
		Q113	E-1	Q315	C-4	RV202	F-8		
E101	D-7	Q115	C-2	Q316	A-1	RV203	F-7		
E102	D-1	Q116	C-3	Q317	A-3	RV204	B-7		
E103	E-5	Q117	D-3	Q318	A-1	RV205	B-7		
E104	E-1	Q118	A-5	Q501	C-4	RV210	E-3		
E201	F-7	Q119	A-5	Q502	C-4	RV211	F-1		
E202	C-1	Q120	A-5	Q503	C-1	RV212	F-1		
E203	G-5	Q121	A-5	Q504	C-3	RV213	E-8		
E204	F-1	Q122	A-6	Q505	C-3	RV214	F-2		
E301	G-7	Q123	A-6	Q506	C-3	RV215	B-7		
E302	A-4	Q124	D-5	Q507	C-2	RV301	B-4		
		Q125	D-5	Q508	C-2	RV302	B-4		
FL101	E-7	Q126	E-4	Q509	C-2	RV501	C-1		
		Q127	E-4	Q510	C-3	RV502	C-1		
IC1	A-7	Q201	B-7	Q511	B-4	RV601	B-1		
IC2	G-8	Q202	B-6	Q601	A-4	RV602	B-1		
IC101	D-8	Q203	B-5	Q602	A-3				
IC103	D-6	Q204	B-8	Q603	B-1	S101	D-8		
IC104	C-8	Q205	G-3	Q604	A-3	S102	D-3		
IC106	E-2	Q206	G-4	Q605	B-3	S201	F-8		
IC107	D-2	Q207	F-4	Q606	B-3	S202	E-3		
IC201	F-8	Q208	G-5	Q607	B-2	S301	B-1		
IC203	F-6	Q210	F-3	Q608	B-2				
IC204	B-8	Q211	F-1	Q609	B-2	T501	B-2		
IC206	F-2	Q212	F-1	Q610	B-3	T601	A-2		
IC207	G-2	Q213	F-1	Q611	A-4				
IC301	A-5	Q215	G-3	Q701	E-6				
				Q711	E-7				



AU-76—COMPONENT SIDE—
1-622-568-16
BVW-70
BVW-75
BVW-96

AFM-1; AFM AUDIO MODULATOR/DEMODULATOR
FL-61; LOW PASS FILTER

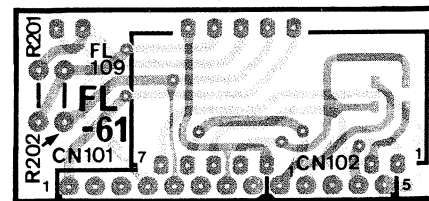
AFM-1(1-622-569-12, 13)

REF. NO	TYPE	PIN NO.			
		+12V	+5V	GND	-12V
IC 1	AN3920K		7	1.19	
IC 2	AN3920K		7	1.19	
IC 101	AN3922NK		6	4.15	
IC 102	AN3922NK		6	4.15	
IC 103	TC4053BF		16	8	
IC 104	NJM2041M-D	8			4
IC 201	AN3922NK		6	4.15	
IC 202	AN3922NK		6	4.15	
IC 301	NJM2041M-D	8			4
IC 303	NJM2041M-D	8			4
IC 304	NJM5532M	8			4
IC 401	NJM2041M-D	8			4
IC 403	NJM2041M-D	8			4
IC 404	NJM5532M	8			4
IC 501	CX20099		15	1.14	
IC 502	NJM2041M-D	8			4
IC 701	TC4011BF		14	7	4
IC 702	TC4030BF		14	7	4
IC 703	TC504013BF		14	7	4
IC 704	TC4538BF		16	8	4
IC 705	TC4538BF		16	8	
IC 706	TC4001BF		14	7	
IC 707	TC4011BF		14	7	4
IC 708	NJM78L06A			2	
IC 710	NJM7805A	*	*	2	*

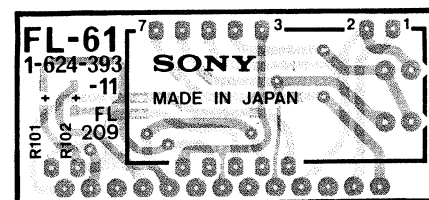
* REFER TO SCHEMATIC

AFM-1(1-622-569-12, 13)

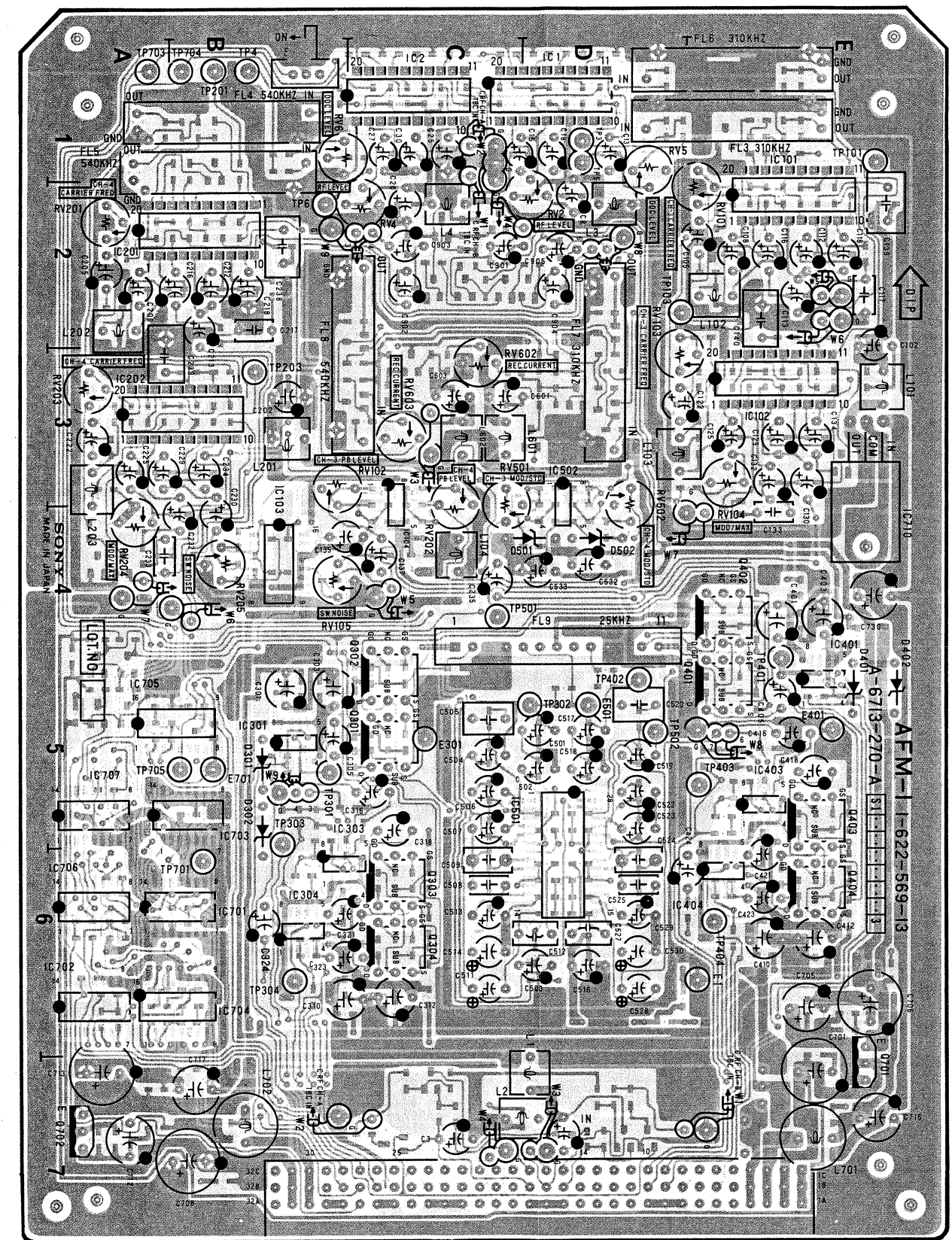
D101	E-2	IC103	B-4	Q403	E-5	RV304	B-6	TP601	C-3
D102	E-3	IC104	C-3	Q404	E-6	RV404	E-5	TP701	B-6
D201	A-2	IC201	B-2	Q601	D-3	RV501	C-3	TP706	B-4
D202	A-4	IC202	B-3	Q602	D-2	RV502	D-3	TP707	B-4
D301	B-5	IC301	B-5	Q603	D-3	RV601	D-3		
D302	B-5	IC303	B-6	Q604	C-3	RV602	C-3		
D401	E-5	IC304	B-6	Q605	D-3	RV603	C-3		
D402	E-5	IC401	E-5	Q606	C-3				
D501	D-4	IC403	E-5	Q607	B-3	S1	B-1		
D502	D-4	IC404	E-6	Q608	B-2				
D901	C-2	IC501	D-6	Q701	E-7	TP1	C-7		
D902	C-2	IC502	D-3	Q702	A-7	TP2	D-7		
		IC701	B-6	Q703	A-5	TP3	D-1		
E1	E-6	IC702	A-6	Q704	A-4	TP4	B-1		
E101	B-4	IC703	B-5	Q705	A-5	TP5	D-1		
E201	B-4	IC704	B-6	Q706	A-4	TP6	B-2		
E301	C-5	IC705	A-5	Q707	B-5	TP101	E-2		
E401	E-5	IC706	A-6	Q901	C-2	TP102	B-4		
E501	D-5	IC707	A-5	Q902	C-2	TP103	D-1		
E601	C-3	IC708	E-7	Q903	C-2	TP201	B-2		
E701	B-5	IC710	E-3	Q904	D-2	TP202	C-4		
						TP203	B-3		
FL1	C-7	Q1	C-7	RV2	D-2	TP301	B-5		
FL2	D-7	Q2	C-7	RV4	B-2	TP302	C-5		
FL3	E-1	Q3	D-7	RV5	D-1	TP303	B-6		
FL4	B-1	Q4	D-7	RV6	B-2	TP304	B-6		
FL5	B-1	Q5	C-7	RV101	E-2	TP305	C-5		
FL6	E-1	Q6	D-7	RV102	B-3	TP401	E-4		
FL7	D-3	Q101	E-3	RV103	D-3	TP402	D-5		
FL8	B-2	Q201	A-4	RV104	E-3	TP403	E-5		
FL9	D-4	Q301	C-5	RV105	B-4	TP404	E-6		
		Q302	C-4	RV201	A-2	TP405	E-5		
IC1	D-1	Q303	C-6	RV202	C-3	TP406	D-5		
IC2	C-1	Q304	C-6	RV203	A-3	TP501	C-5		
IC101	E-2	Q401	E-5	RV204	A-4	TP502	D-5		
IC102	E-3	Q402	E-4	RV205	B-4	TP503	C-5		



FL-61 - COMPONENT SIDE-

1-624-393-11
BVW-70
BVW-75
BVW-96

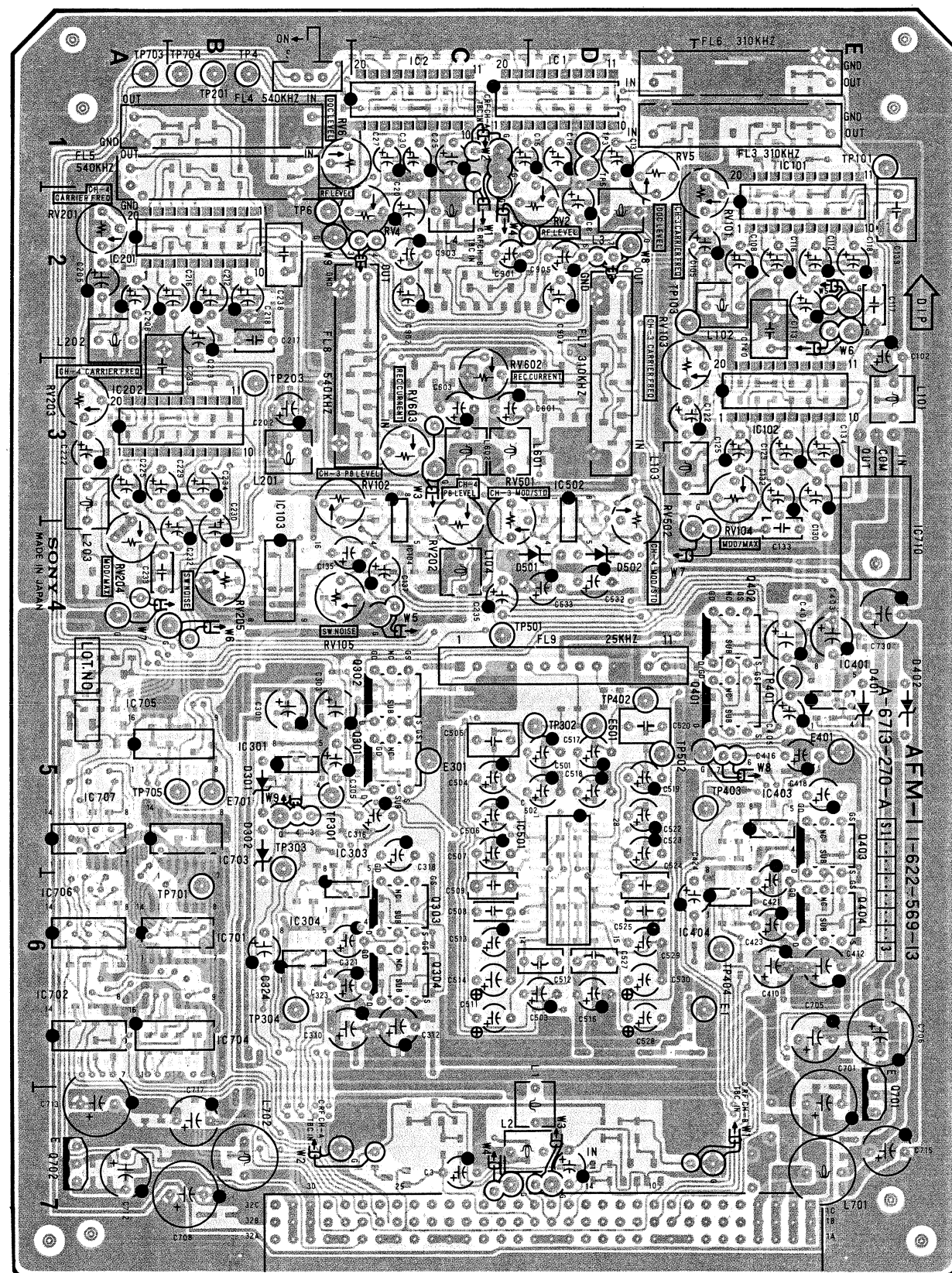
FL-61 - SOLDERING SIDE-

1-624-393-11
BVW-70
BVW-75
BVW-96

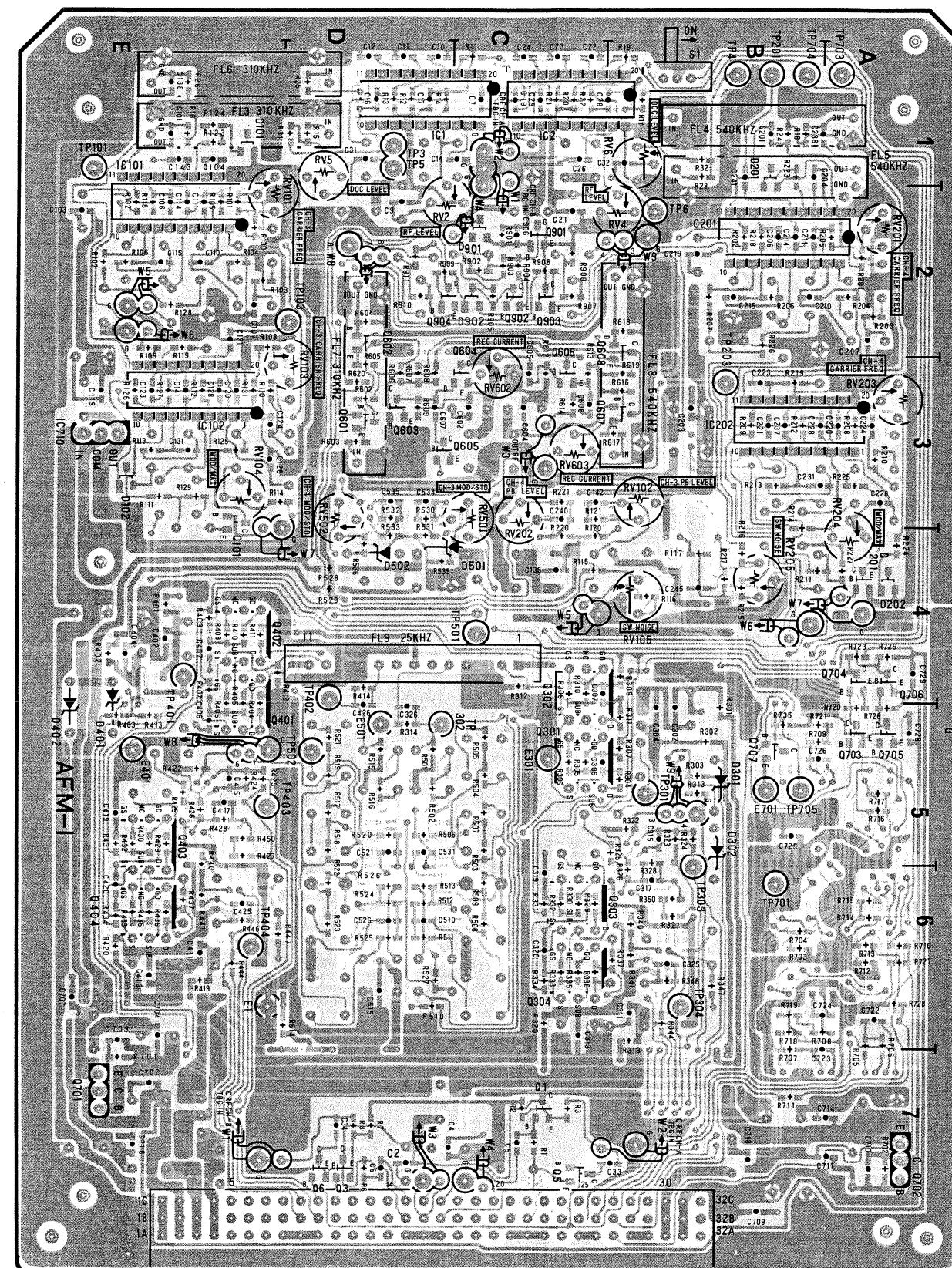
AFM-1 - COMPONENT SIDE-

1-622-569-12,13
BVW-70
BVW-75
BVW-96

AFM-1 ; AFM AUDIO MODULATOR/DEMODULATOR
FL-61 ; LOW PASS FILTER



AFM-1—COMPONENT SIDE—
1-622-569-12,13
BVW-70
BVW-75
BVW-96



AFM-1 — SOLDERING SIDE —
1-622-569-12,13
BVW-70
BVW-75
BVW-96

UC; Up to S/N 14821
J; Up to S/N 12028

CP-111 (1-622-571-12)

REF. NO	TYPE	PIN NO.	
		+12V	-12V
IC 31	NJM4560D-D	8	4
IC 32	CX770	*	*
IC 33	NJM4560D-D	8	4
IC 34	NJM4560D-D	8	4
IC 35	NJM4560D-D	8	4
IC 36	CX770	*	*
IC 37	NJM4560D-D	8	4
IC 38	CX770	*	*
IC 39	NJM4560D-D	8	4
IC 40	NJM4560D-D	8	4

*REFER TO SCHEMATIC

UC; S/N 14822 through 16569
J; S/N 12029 through 13023

CP-111 (1-622-571-13)

REF. NO	TYPE	PIN NO.		
		+12V	+5V	-12V
IC 31	NJM4560D-D	8		4
IC 32	TC4016BP		14	7
IC 33	NJM4560D-D	8		4
IC 34	NJM4560D-D	8		4
IC 35	NJM4560D-D	8		4
IC 36	TC4016BP		14	7
IC 37	NJM4560D-D	8		4
IC 38	TC4016BP		14	7
IC 39	NJM4560D-D	8		4
IC 40	NJM4560D-D	8		4
IC 41	TC4016BP		14	7
IC 42	NJM78L05	*	*	*

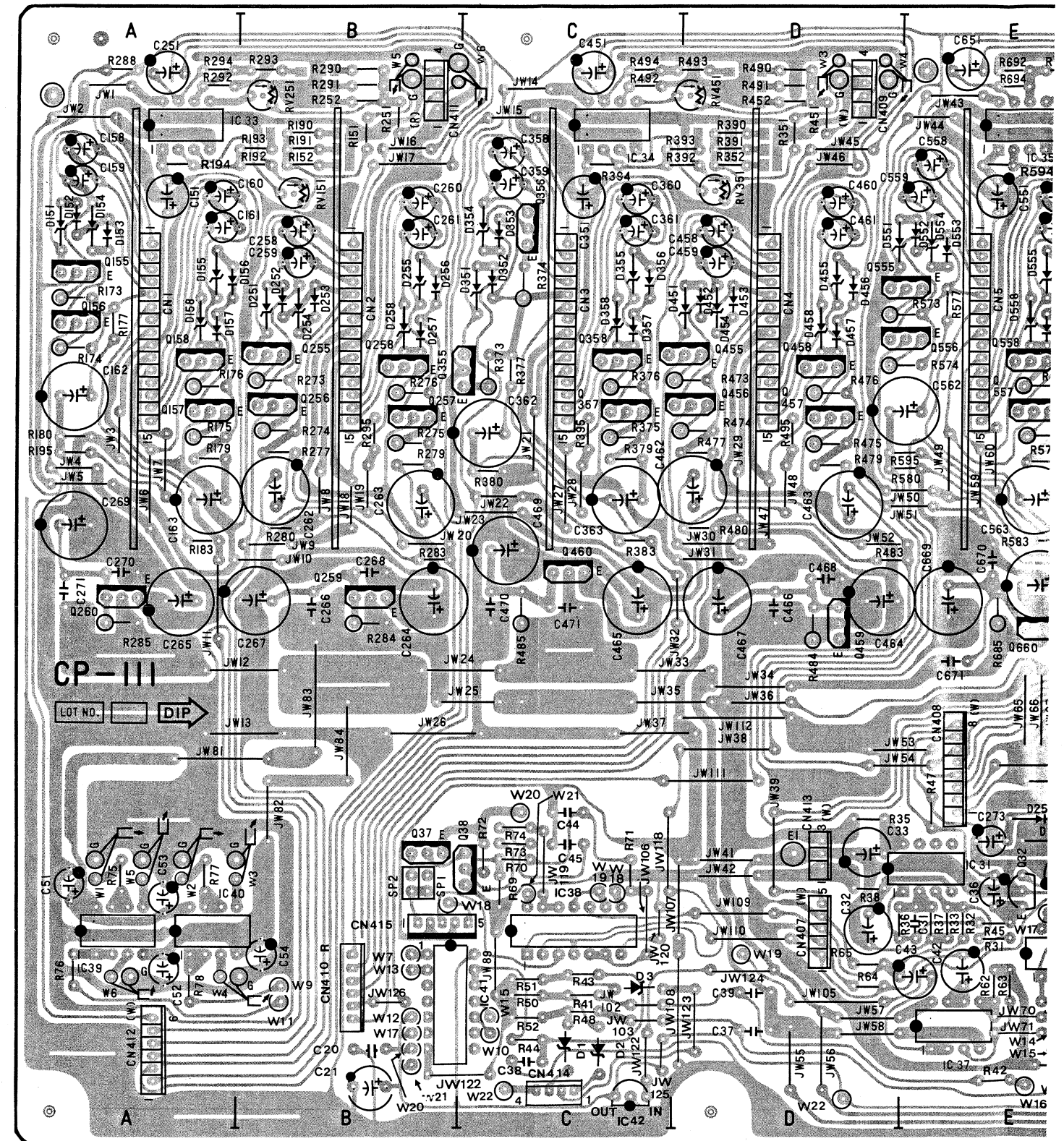
*REFER TO SCHEMATIC

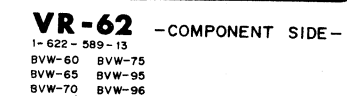
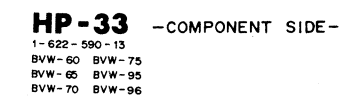
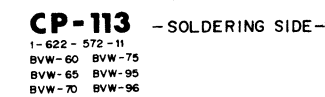
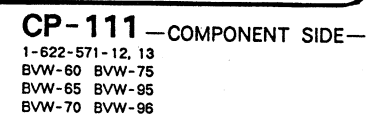
CP-111 (1-622-571-12,13)

CN1	A-3	E1	D-6
CN2	B-3	E2	F-6
CN3	C-3	E3	E-5
CN4	D-3	E4	F-6
CN5	E-3		
CN6	F-3		
CN407	D-6	IC31	E-6
CN408	E-5	IC32	F-6
CN409	D-1	IC33	A-1
CN410	B-7	IC34	C-1
CN411	B-1	IC35	E-1
CN412	A-7	IC36	E-6
CN413	D-6	IC37	E-7
CN414	C-7	IC38	C-6
CN415	B-6	IC39	A-6
		IC40	A-6
		IC41	B-7
		IC42	C-7
D151	A-2	Q31	F-3
D152	A-2	Q32	E-6
D153	A-2	Q33	F-7
D154	A-2	Q34	F-2
D155	A-2	Q35	F-7
D156	A-2	Q36	F-3
D157	A-3	Q37	B-6
D158	A-3	Q38	C-6
D251	B-2	Q155	A-2
D252	B-2	Q156	A-2
D253	B-2	Q157	A-3
D254	B-2	Q158	A-3
D255	B-2	Q159	A-3
D256	B-2	Q160	B-3
D257	B-3	Q161	B-3
D258	B-3	Q162	B-3
D259	B-3	Q163	B-3
D260	E-6	Q164	B-3
D351	C-2	Q259	B-4
D352	C-2	Q260	A-4
D353	C-2	Q261	E-6
D354	C-2	Q262	C-3
D355	C-2	Q263	C-2
D356	C-2	Q264	C-3
D357	C-3	Q265	C-3
D358	C-3	Q266	D-3
D451	D-2	Q456	D-3
D452	D-2	Q457	D-3
D453	D-2	Q458	D-3
D454	D-2	Q459	D-4
D455	D-2	Q460	C-4
D456	D-2	Q555	E-2
D457	D-3	Q556	E-3
D458	D-3	Q557	E-3
D551	D-2	Q558	E-3
D552	E-2	Q559	E-3
D553	E-2	Q560	E-3
D554	E-2	Q561	F-5
D555	E-2	Q562	F-4
D556	E-2	Q563	F-5
D557	E-3	Q564	E-4
D558	E-2		
D651	E-2	RV151	B-2
D652	E-2	RV251	B-1
D653	F-2	RV351	D-2
D654	F-2	RV451	D-1
D655	F-4	RV551	F-2
D656	F-4	RV651	E-1
D657	F-4		
D658	F-4	SP1	B-6
		SP2	B-6

CP-111; AUDIO OUTPUT AMPLIFIER/DRIVER
CP-113; AUDIO BALANCED AMPLIFIER
HP-33; HEADPHONES AMPLIFIER/JACK
VR-62; HEADPHONES LEVEL VOLUME

UC; Up to S/N 16569
J; Up to S/N 13023



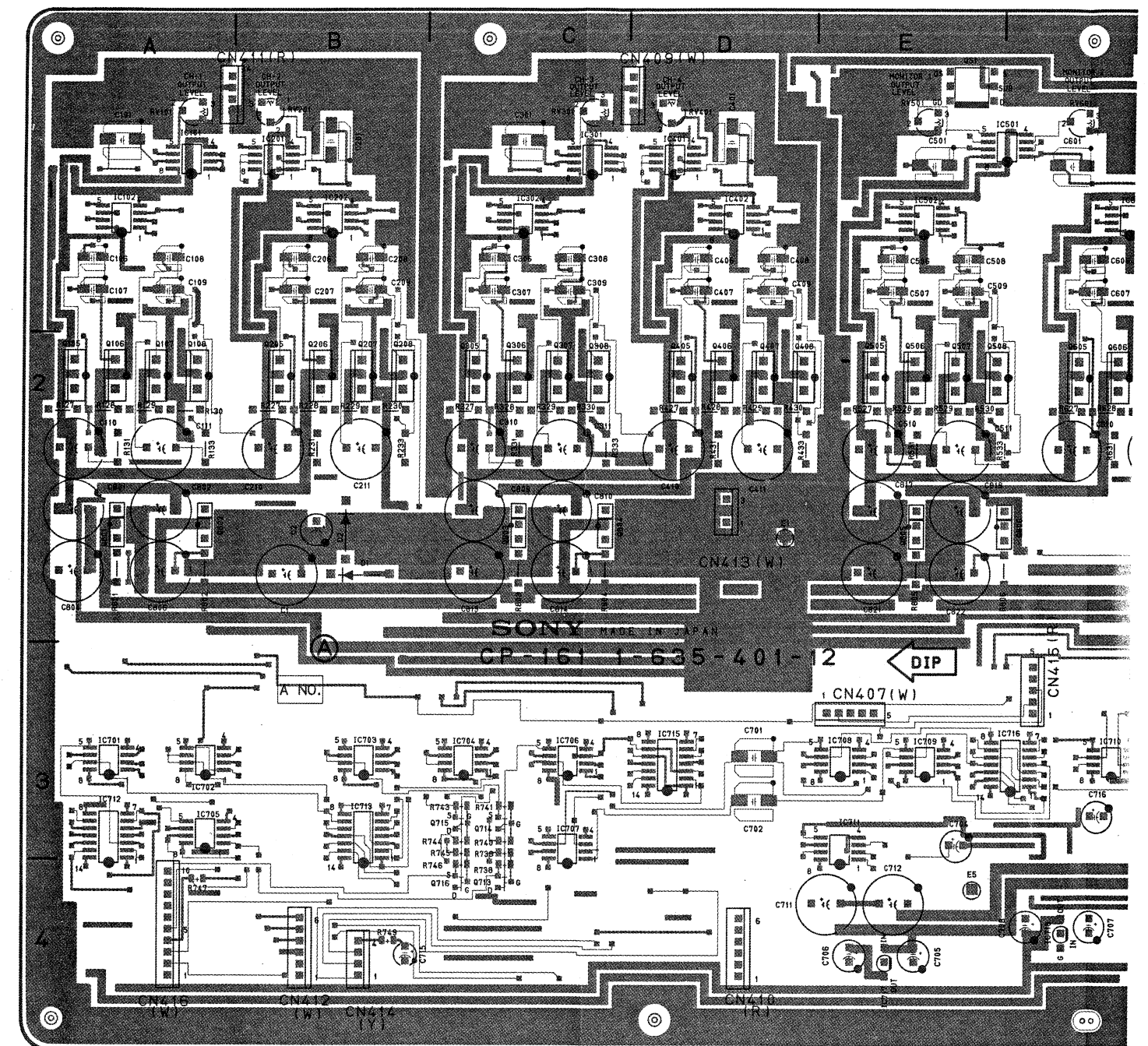


CP-161A (1-635-401-12)

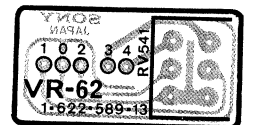
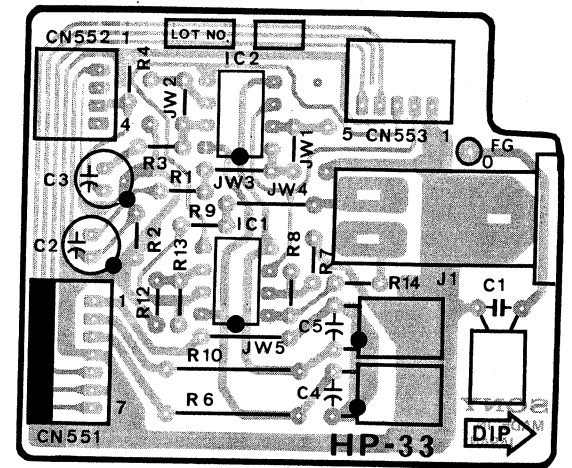
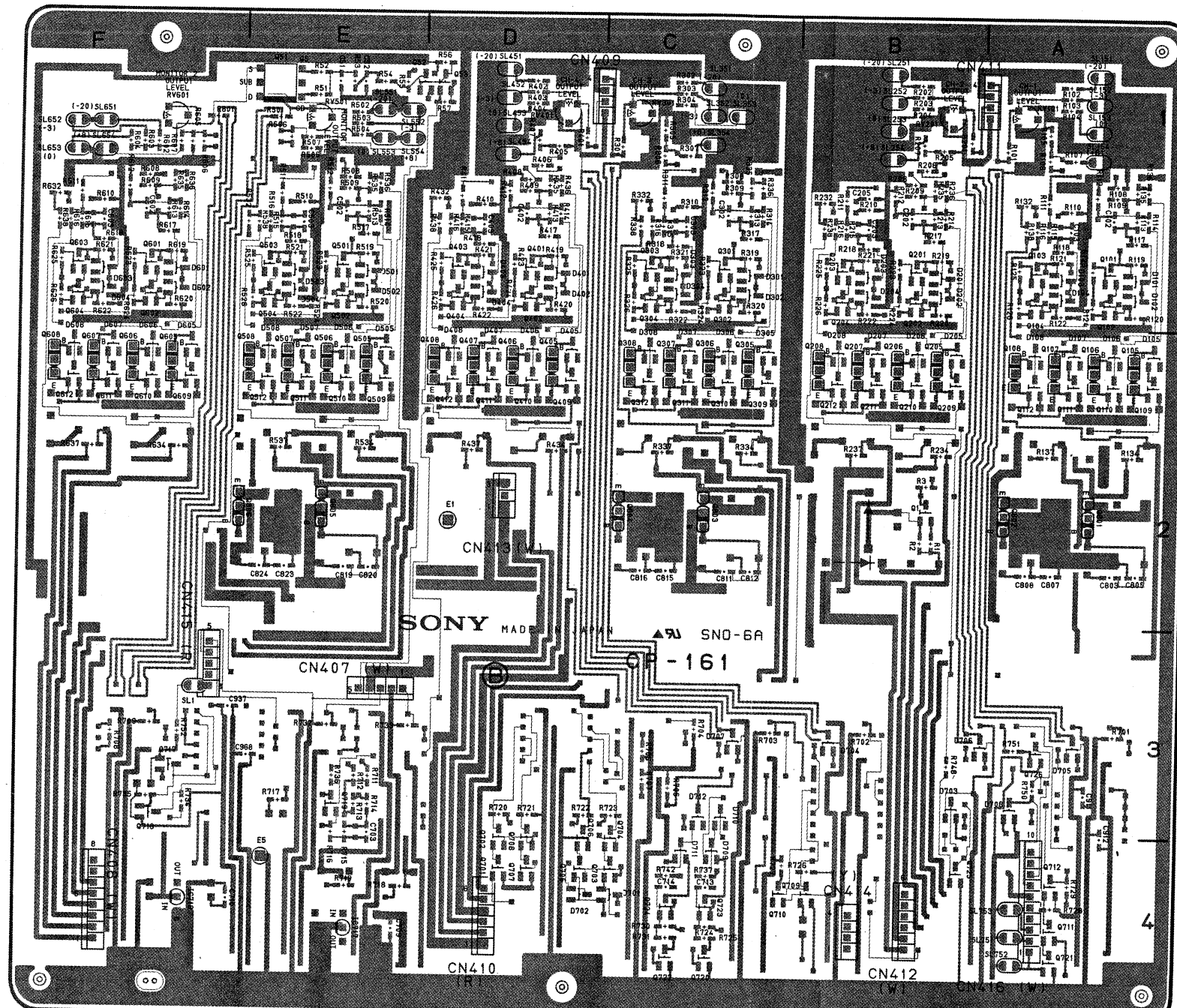
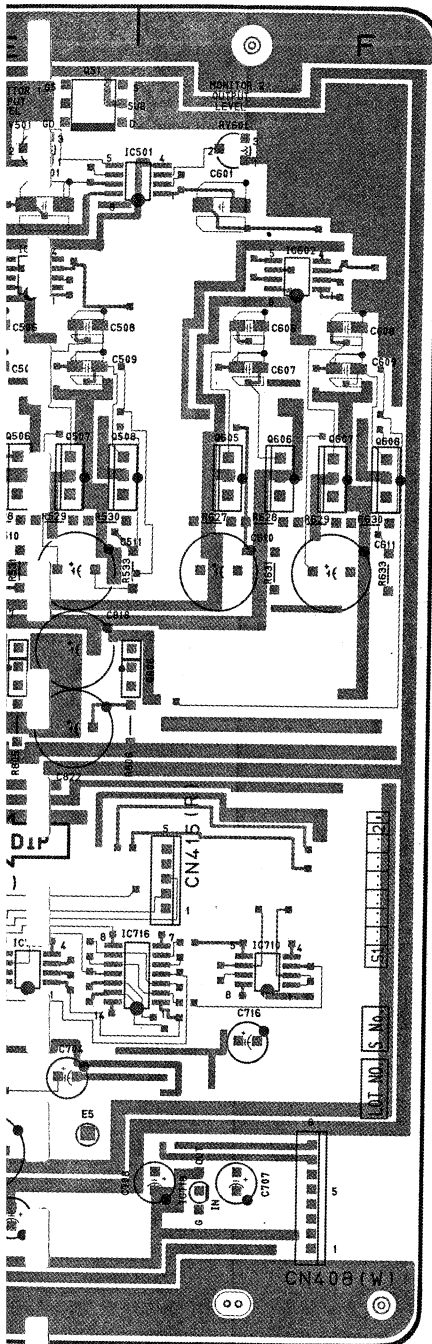
CN407	E-3	D702	D-4	Q203	B-1	Q704	C-4
CN408	F-4	D703	B-3	Q204	B-1	Q705	D-4
CN409	D-1	D704	B-3	Q205	B-2	Q706	D-4
CN410	D-4	D705	A-3	Q206	B-2	Q707	D-4
CN411	B-1	D706	B-3	Q207	B-2	Q708	D-4
CN412	B-4	D707	C-3	Q208	B-2	Q709	B-4
CN413	D-2	D708	A-3	Q209	B-2	Q710	C-4
CN414	B-4	D709	C-4	Q210	B-2	Q711	A-4
CN415	F-3	D710	C-3	Q211	B-2	Q712	A-4
		D711	C-4	Q212	B-2	Q713	C-4
D1	B-2	D712	C-3	Q301	C-1	Q714	C-3
D2	B-2			Q302	C-1	Q715	C-3
D101	A-1	B1	D-2	Q303	C-1	Q716	C-4
D102	A-1			Q304	C-1	Q717	F-3
D103	A-1	IC101	A-1	Q305	C-2	Q718	F-3
D104	A-1	IC102	A-1	Q306	C-2	Q719	E-3
D105	A-2	IC201	B-1	Q307	C-2	Q720	C-4
D106	A-2	IC202	B-1	Q308	C-2	Q721	A-4
D107	A-2	IC301	C-1	Q309	C-2	Q722	C-4
D108	A-2	IC302	C-1	Q310	C-2	Q723	C-4
D201	B-1	IC401	D-1	Q311	C-2	Q724	C-4
D202	B-1	IC402	D-1	Q312	C-2	Q725	B-4
D203	B-1	IC501	F-1	Q401	D-1	Q726	A-3
D204	B-1	IC502	E-1	Q402	D-1	Q801	A-2
D205	B-2	IC602	F-1	Q403	D-1	Q802	A-2
D206	B-2	IC701	A-3	Q404	D-1	Q803	C-2
D207	B-2	IC702	A-3	Q405	D-2	Q804	C-2
D208	B-2	IC703	B-3	Q406	D-2	Q805	E-2
D301	C-1	IC704	C-3	Q407	D-2	Q806	E-2
D302	C-1	IC705	A-3	Q408	D-2		
D303	C-1	IC706	C-3	Q409	D-2	RV101	A-1
D304	C-1	IC707	C-3	Q410	D-2	RV201	B-1
D305	C-2	IC708	E-3	Q411	D-2	RV301	C-1
D306	C-2	IC709	E-3	Q412	D-2	RV401	D-1
D307	C-2	IC710	F-3	Q501	E-1	RV501	E-1
D308	C-2	IC711	E-3	Q502	E-1	RV601	F-1
D401	D-1	IC712	A-3	Q503	E-1		
D402	D-1	IC713	B-3	Q504	E-1		
D403	D-1	IC715	D-3	Q505	E-2		
D404	D-1	IC716	F-3	Q506	E-2		
D405	D-2	IC717	E-4	Q507	E-2		
D406	D-2	IC718	F-4	Q508	E-2		
D407	D-2			Q509	E-2		
D408	D-2	Q1	B-2	Q510	E-2		
D501	E-1	Q51	E-1	Q511	E-2		
D502	E-1	Q52	F-1	Q512	E-2		
D503	E-1	Q53	D-1	Q601	F-1		
D504	E-1	Q101	A-1	Q602	F-1		
D505	E-2	Q102	A-1	Q603	F-1		
D506	E-2	Q103	A-1	Q604	F-1		
D507	E-2	Q104	A-1	Q605	F-2		
D508	E-2	Q105	A-2	Q606	F-2		
D601	F-1	Q106	A-2	Q607	F-2		
D602	F-1	Q107	A-2	Q608	F-2		
D603	F-1	Q108	A-2	Q609	F-2		
D604	F-1	Q109	A-2	Q610	F-2		
D605	F-2	Q110	A-2	Q611	F-2		
D606	F-2	Q111	A-2	Q612	F-2		
D607	F-2	Q112	A-2	Q701	D-4		
D608	F-2	Q201	B-1	Q702	D-4		
D701	C-4	Q202	B-1	Q703	C-4		

CP-161A; AUDIO OUTPUT BALANCED AMPLIFIER/DRIVER
 HP-33; HEADPHONES AMPLIFIER/JACK
 VR-62; HEADPHONES LEVEL VOLUME

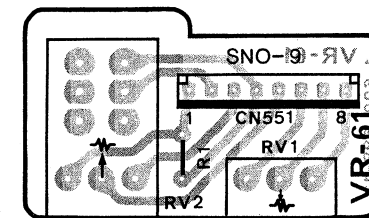
UC; S/N 16570 and higher
 J; S/N 13024 and higher



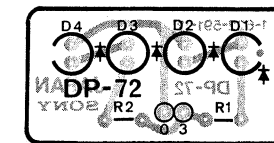
CP-161A
 1-635-401-12
 BVW-75 SERIES



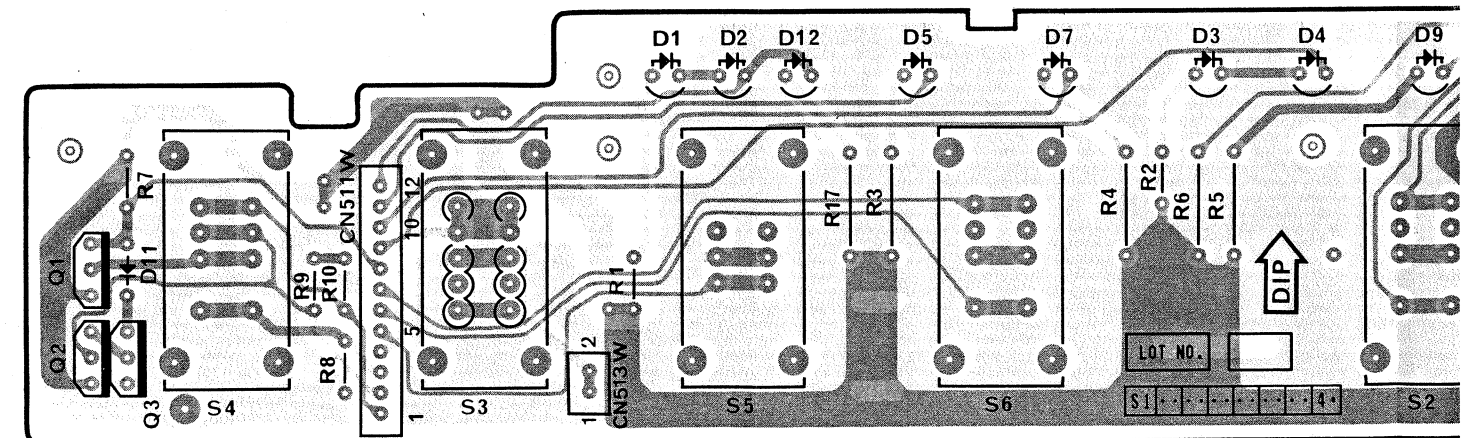
SW-144; SELECT SWITCH/DISPLAY
 VR-61; VIDEO/TRACKING CONTROL VOLUME
 DP-72; VIDEO/RF METER LED
 DP-74; AUDIO LEVEL METER
 DP-73; DC-AC/DC CONVERTER

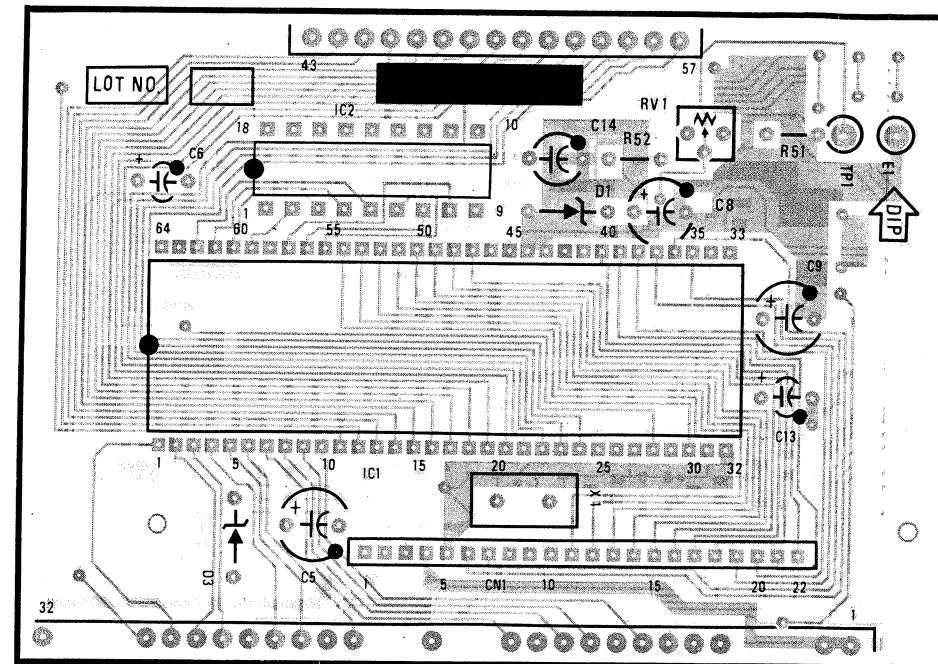


VR-61 -COMPONENT SIDE-
 1-622-588-11
 BVW-70
 BVW-75

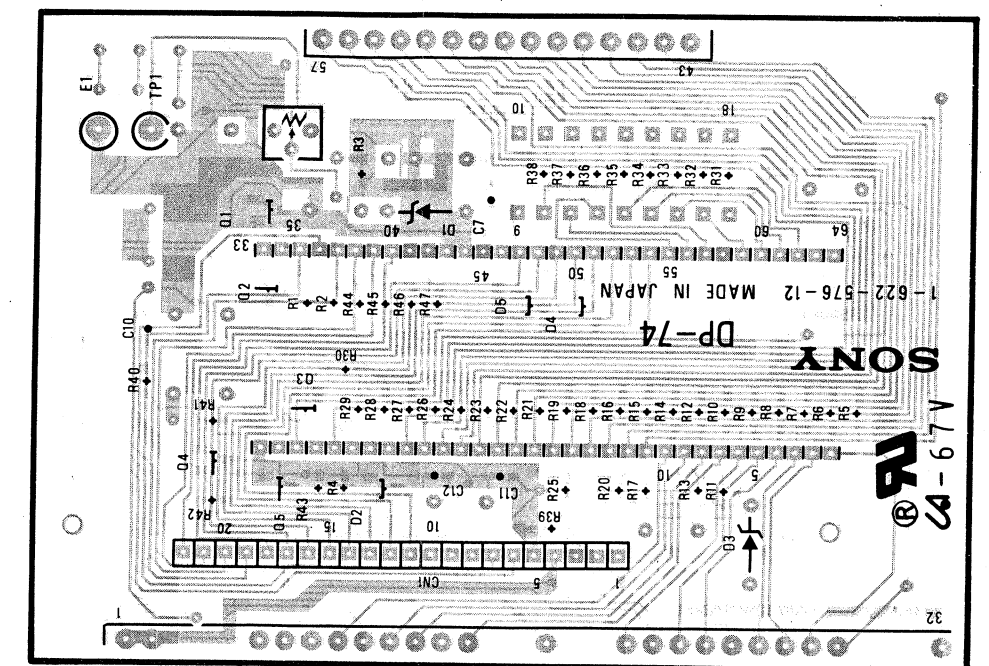


DP-72 -COMPONENT SIDE-
 1-622-591-12
 BVW-70
 BVW-75

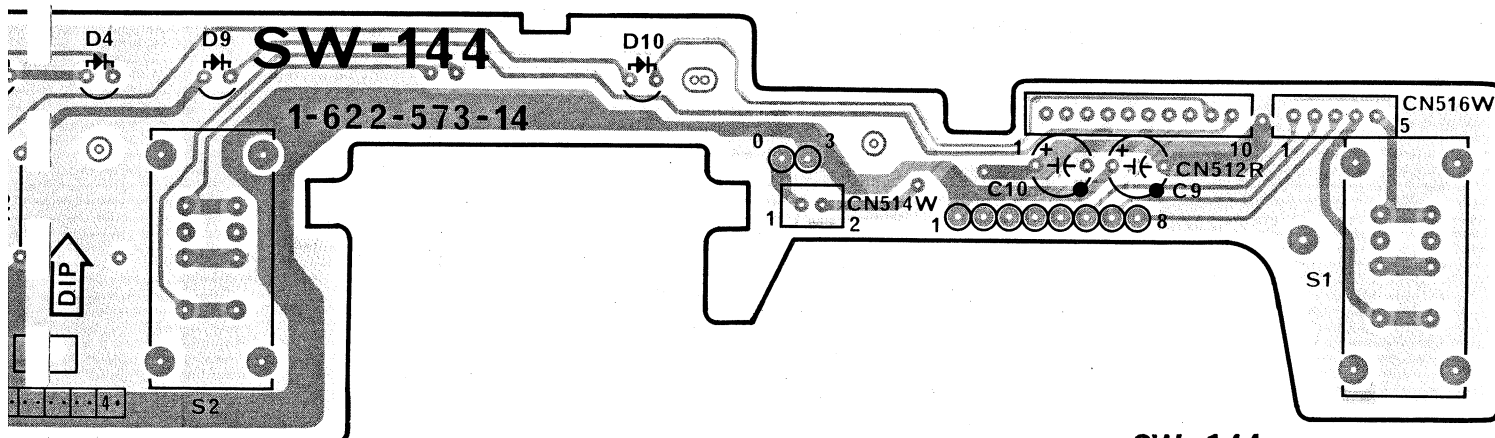




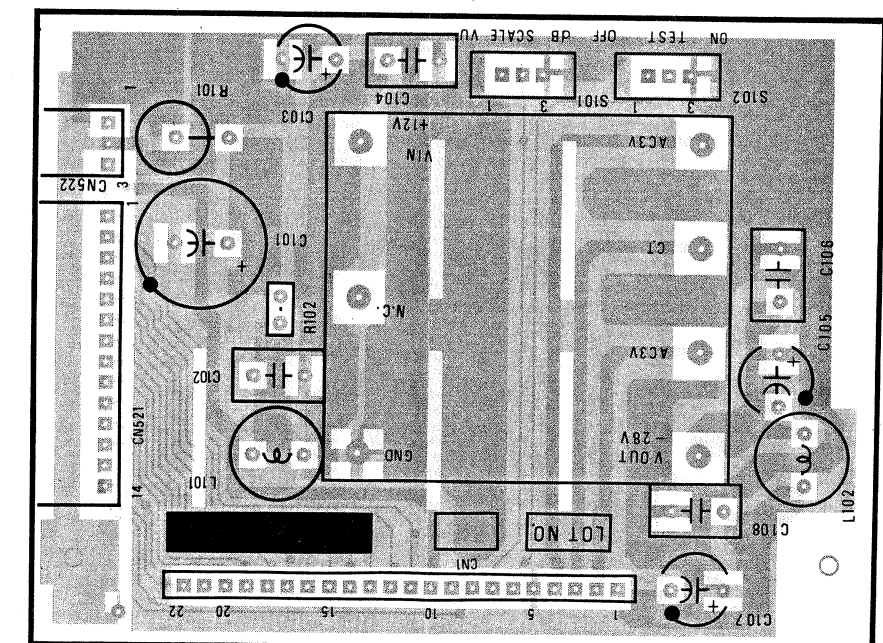
DP-74 — COMPONENT SIDE —
 1-622-576-12
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



DP-74 — SOLDERING SIDE —
 1-622-576-12
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



SW-144 — COMPONENT SIDE —
 1-622-573-13, 14
 BVW-70
 BVW-75



DP-73 — SOLDERING SIDE —
 1-622-575-12
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96

SV-82/82A; MICROCOMPUTER SERVO

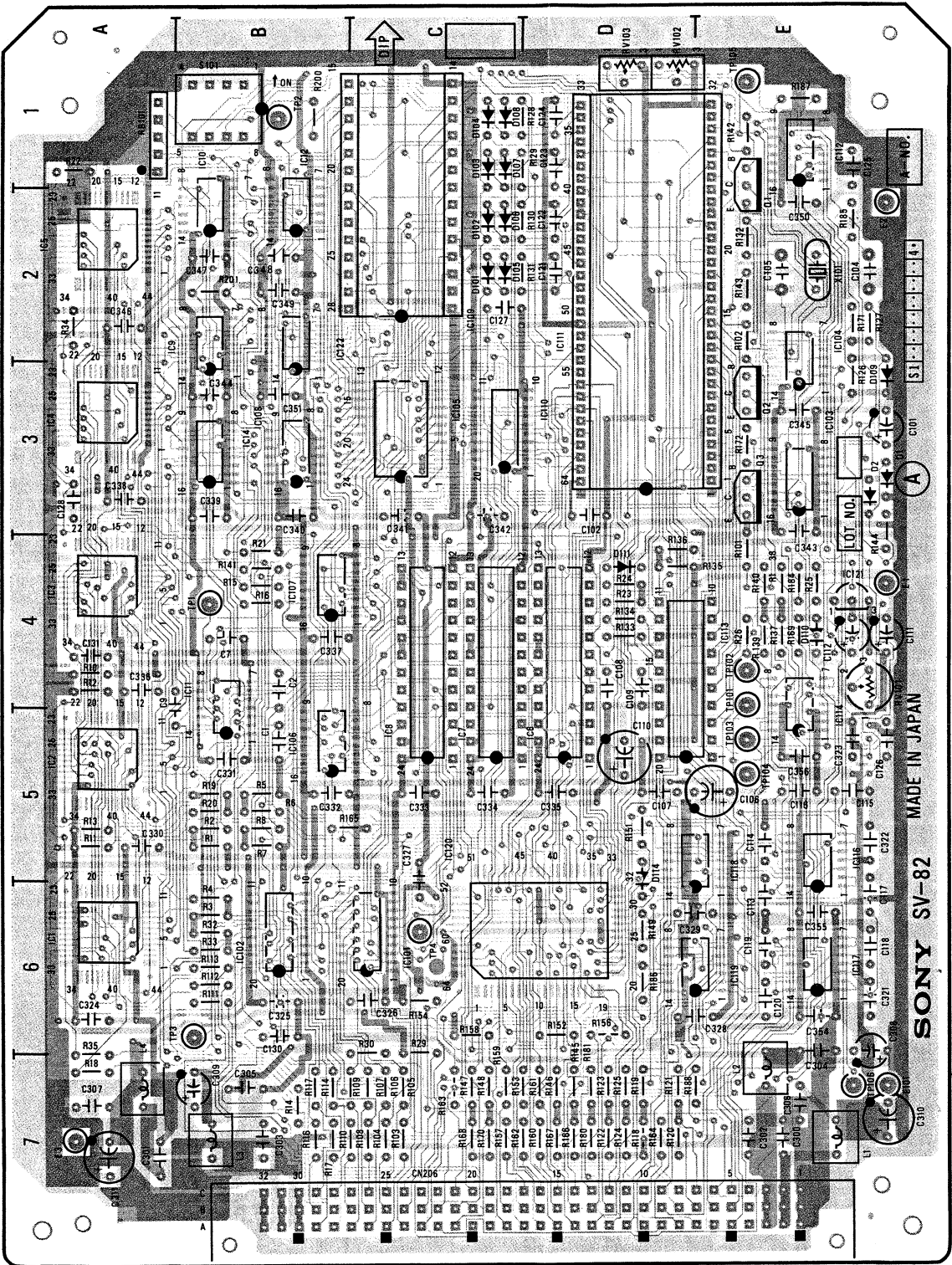
SV-82/82A (1-622-582-13,14)

REF. NO	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	μ PD71054GB		38	16		
IC 2	μ PD71054GB		38	16		
IC 3	μ PD71054GB		38	16		
IC 4	μ PD71054GB		38	16		
IC 5	μ PD71054GB		38	16		
IC 6	CF77074NT		23.24	9.12		
IC 7	CF77074NT		23.24	9.12		
IC 8	CF77074NT		23.24	9.12		
IC 9	TC74HC74F		16	8		
IC 10	SN74HC024NS		14	7		
IC 11	TC74HC14F		14	7		
IC 12	TC74HC14F		14	7		
IC 14	TC4053BF		16	7.8		
IC 101	SN74HC245NS		20	10		
IC 102	TC74HC244F		20	10		
IC 103	TC4052BF		16	8		
IC 104	TC74HC04F		14	6.7		
IC 105	CXK5816M-10		24	12		
IC 106	TC74HC138F		16	8		
IC 107	TC74HC138F		16	8		
IC 108	TC74HC139F		16	8		
IC 109	27256-25		28	14		
IC 110	SN74HC373NS		20	10		
IC 111	μ PD78310CW		64	32		
IC 112	SN74HC0404NS		16	8		
IC 113	μ PC648C	20				17
IC 114	TL084CNS	4				11
IC 116	TL084CNS	4				11
IC 117	TL084CNS	4				11
IC 118	TC4066BF		14	7		
IC 119	TC4066BF		14	7		
IC 120	CXD1095Q		58	10.27.42.57	26	
IC 121	NJM78L0A			2		
IC 122	TC74HC08F		14	7		

SV-82/82A (1-622-582-13,14)

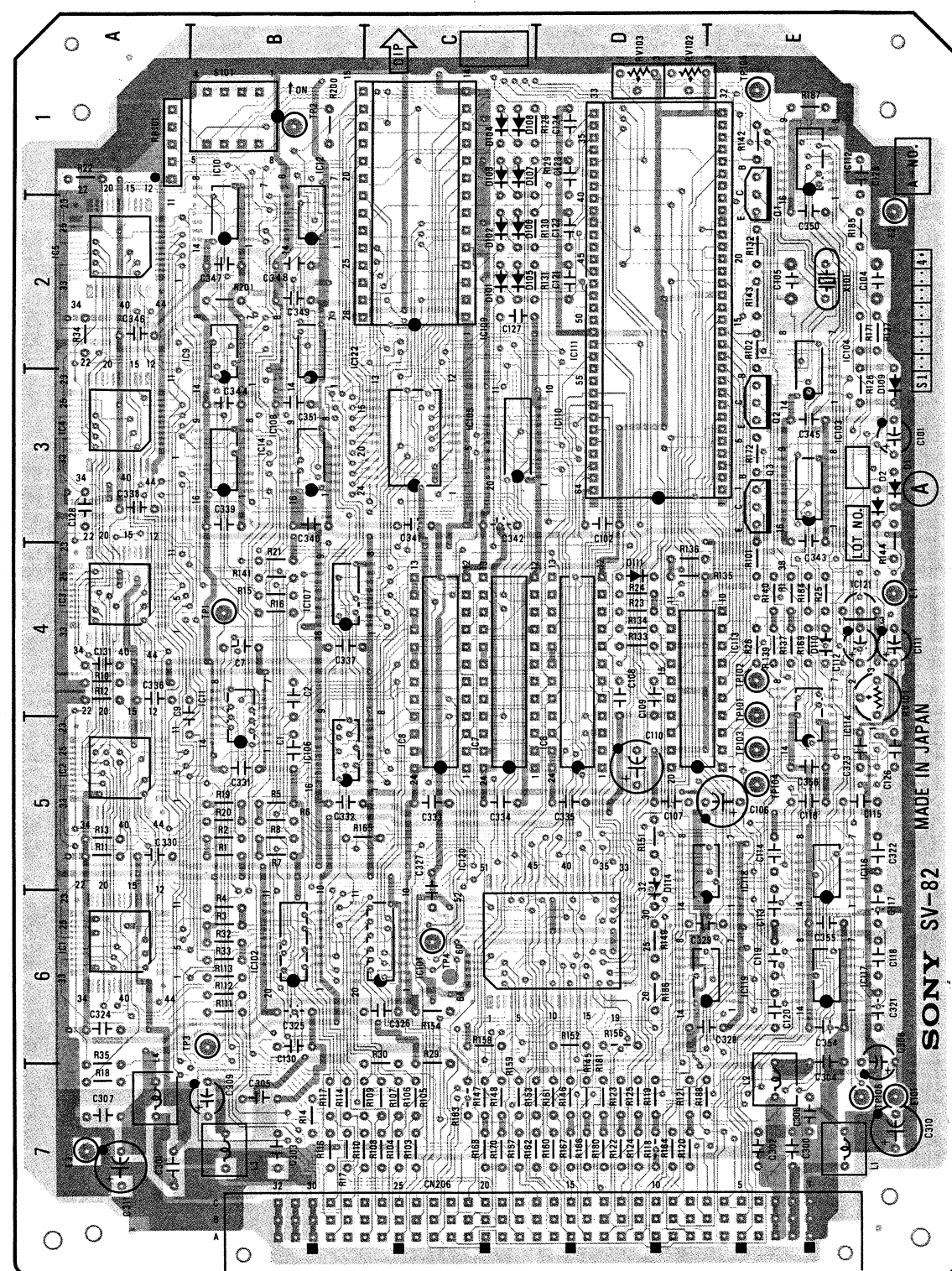
CN206	C-7	Q1	E-2
D101	C-2	Q2	E-3
D102	C-2	Q3	E-3
D103	C-1	RV101	E-4
D104	C-1	RV102	D-1
D105	C-2	RV103	D-1
D106	C-2		
D107	C-1	S101	B-1
D108	C-1		
D109	E-3	TP1	B-4
D110	E-4	TP2	B-1
D111	D-4	TP3	B-6
D114	D-5	TP4	C-6
		TP101	E-4
		TP102	E-4
		TP103	E-5
		TP104	E-5
		TP105	E-1
		TP106	E-7
E1	E-4		
E2	E-2		
E3	A-7		
E101	E-7		
IC1	A-6	X101	E-2
IC2	A-5		
IC3	A-4		
IC4	A-3		
IC5	A-2		
IC6	D-4		
IC7	C-4		
IC8	C-4		
IC9	B-2		
IC10	B-2		
IC11	B-4		
IC12	B-2		
IC14	B-3		
IC101	C-6		
IC102	B-6		
IC103	E-3		
IC104	E-2		
IC105	C-3		
IC106	B-5		
IC107	B-4		
IC108	B-3		
IC109	C-2		
IC110	C-3		
IC111	D-2		
IC112	E-1		
IC113	D-4		
IC114	E-4		
IC116	E-5		
IC117	E-6		
IC118	D-5		
IC119	D-6		
IC120	C-6		
IC121	E-4		
IC122	B-2		

	SV-82	SV-82A
BVW-60		○
BVW-65		○
BVW-70	○	
BVW-75	○	
BVW-95		○
BVW-96	○	



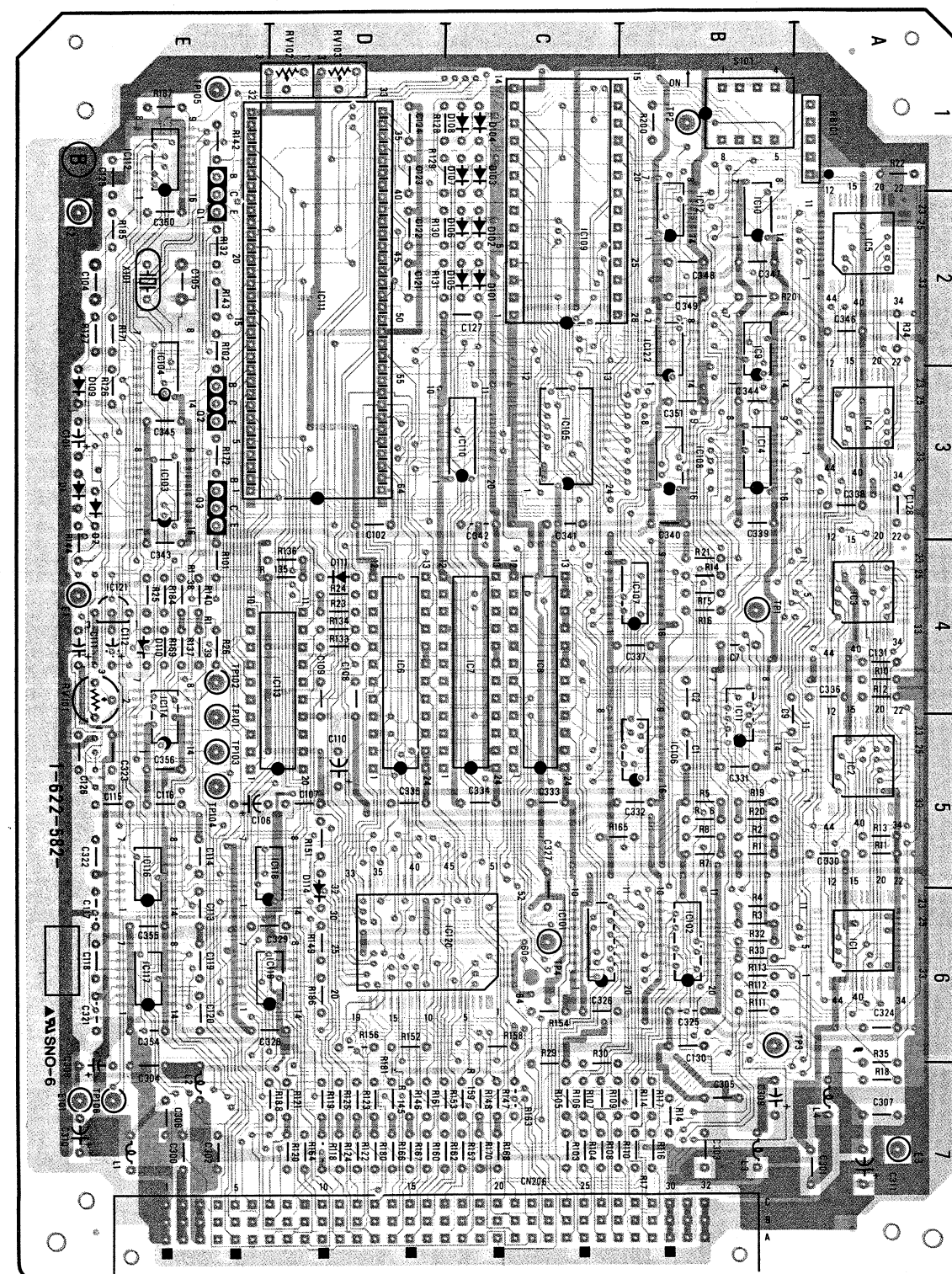
SV-82/82A—COMPONENT SIDE—
1-622-582-13, 14
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

SV-82/82A; MICROCOMPUTER SERVO



SV-82/82A—COMPONENT SIDE—

1-622-582-13, 14
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



SV-82/82A—SOLDERING SIDE—

1-622-582-13, 14
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96

SV-83/83A/83B; REEL SERVO

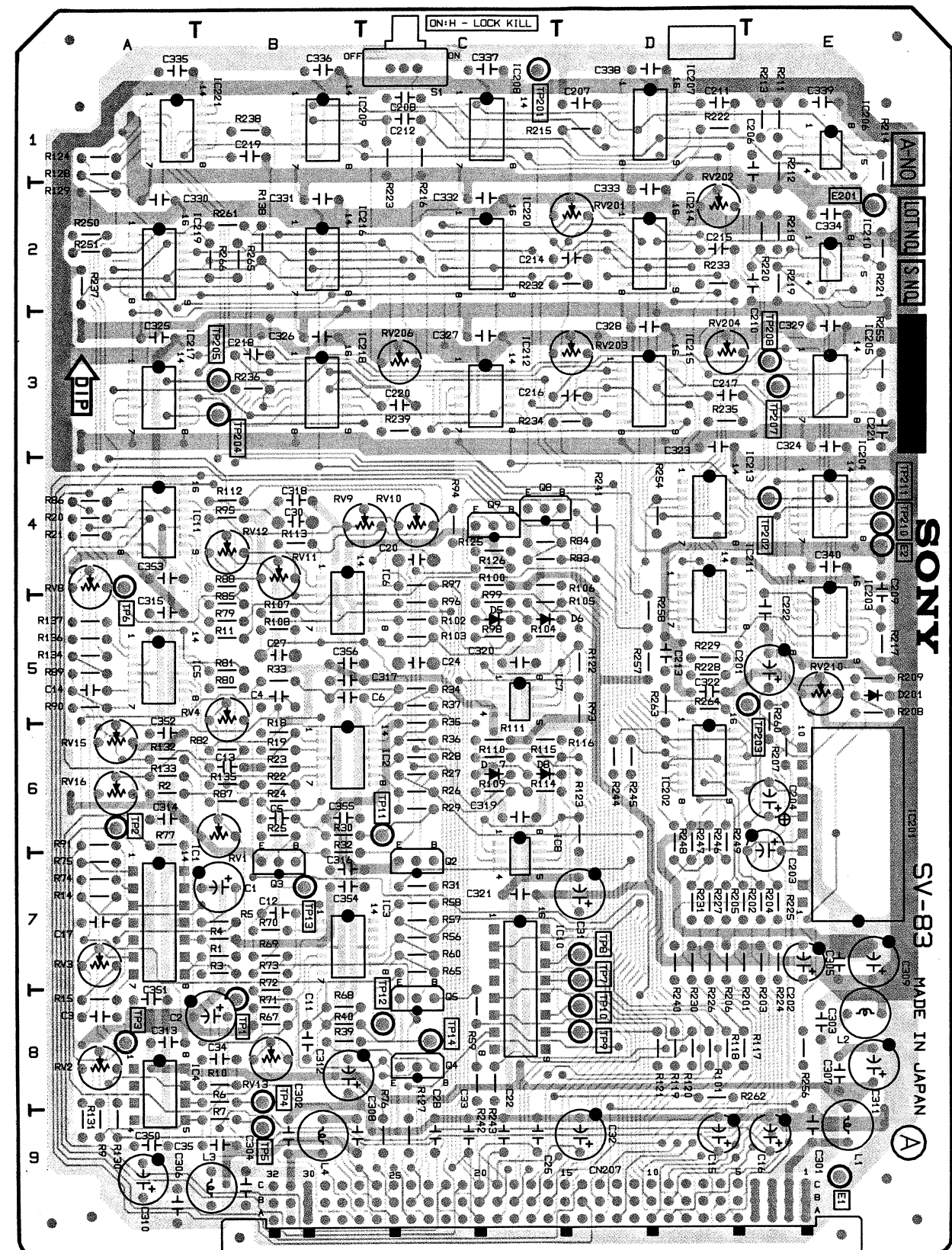
SV-83/83A/83B (1-622-583-12, 13)

PRE. NO	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	PC324C	4			11	
IC 2	TL084CNS	4				11
IC 3	TL084CNS	4				11
IC 4	NJM4558D-FA	8			4	
IC 5	TL084CNS	4			11	
IC 6	TL084CNS	4				11
IC 7	NJM2903M	8		4		
IC 8	NJM2903M	8		4		
IC 10	CX23028		12, 16	8		
IC 11	TC4053BFHB		16		7	
IC 201	BX3915A	10		2, 8		
IC 202	TC4053BFHB		16	8	7	
IC 203	TC4538BF		16	8		
IC 204	TC504013BF		14	7		
IC 205	TC4081BF		14	7		
IC 206	NJM2903M	8		4		
IC 207	TC4538BF		16	8		
IC 208	TC4024BF		14	7		
IC 209	TC4024BF		14	7		
IC 210	NJM2903M	8		4		
IC 211	TC4011BF		14	7		
IC 212	TC4011BF		14	7		
IC 213	TC504013BF		14	7		
IC 214	TC4538BF		16	8		
IC 215	TC4538BF		16	8		
IC 216	TC504013BF		14	7		
IC 217	TC504013BF		14	7		
IC 218	TC4538BF		16	8		
IC 219	TC4053BFHB		16		7	
IC 220	TC74HC160BF		16	8		
IC 221	TC4030BF		14	7		

	SV-83	SV-83A	SV-83B
BVW-60			○
BVW-65			○
BVW-70		○	
BVW-75	○		
BVW-95			○
BVW-96	○		

SV-83/83A/83B (1-622-583-12, 13)

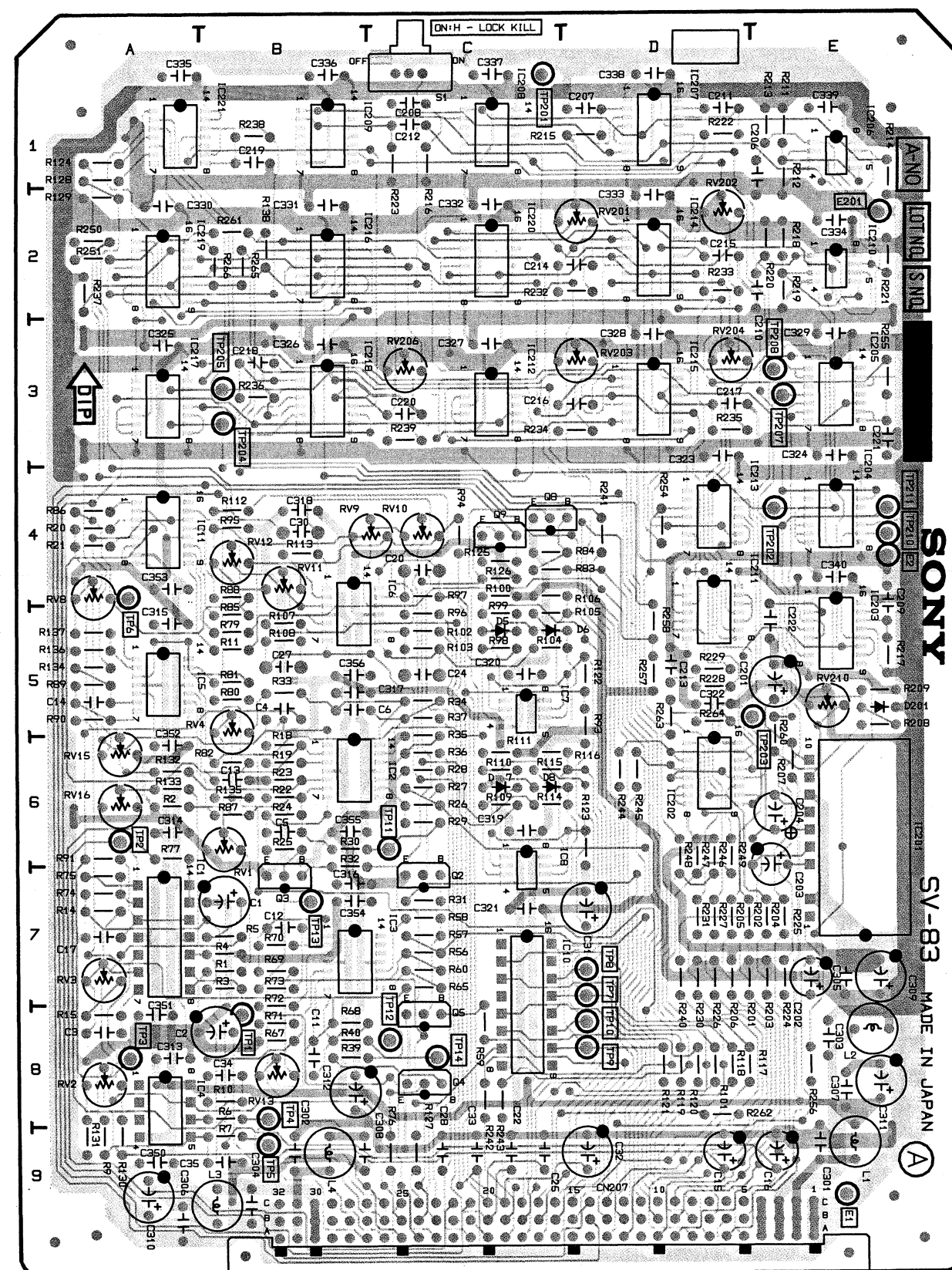
CN207	D-9	TP1	A-8
D5	C-5	TP2	A-6
D6	C-5	TP3	A-8
D7	C-6	TP4	B-9
D8	C-6	TP5	B-9
D201	E-5	TP6	A-4
		TP7	D-8
		TP8	D-7
E1	E-9	TP9	D-8
E2	E-4	TP10	D-8
E201	E-2	TP11	B-6
		TP12	B-8
		TP13	B-7
IC1	A-7	TP14	C-8
IC2	B-6	TP201	C-1
IC3	B-7	TP202	E-4
IC4	A-8	TP203	E-6
IC5	A-5	TP204	A-3
IC6	B-5	TP205	A-3
IC7	C-5	TP207	E-3
IC8	C-7	TP208	E-3
IC10	C-8	TP210	E-4
IC11	A-4	TP211	E-4
IC201	E-6		
IC202	D-6		
IC203	E-5		
IC204	E-4		
IC205	E-3		
IC206	E-1		
IC207	D-1		
IC208	C-1		
IC209	B-1		
IC210	E-2		
IC211	D-5		
IC212	C-3		
IC213	D-4		
IC214	D-2		
IC215	D-3		
IC216	B-2		
IC217	A-3		
IC218	B-3		
IC219	A-2		
IC220	C-2		
IC221	A-1		
Q2	C-7		
Q3	B-7		
Q4	C-8		
Q5	C-8		
Q8	C-4		
Q9	C-4		
RV1	B-7		
RV2	A-8		
RV3	A-7		
RV4	A-5		
RV8	A-4		
RV9	B-4		
RV10	C-4		
RV11	B-4		
RV12	A-4		
RV13	B-8		
RV15	A-6		
RV16	A-6		
RV201	D-2		
RV202	D-2		
RV203	D-3		
RV204	D-3		
RV206	B-3		
RV210	E-5		
S1	A-3		



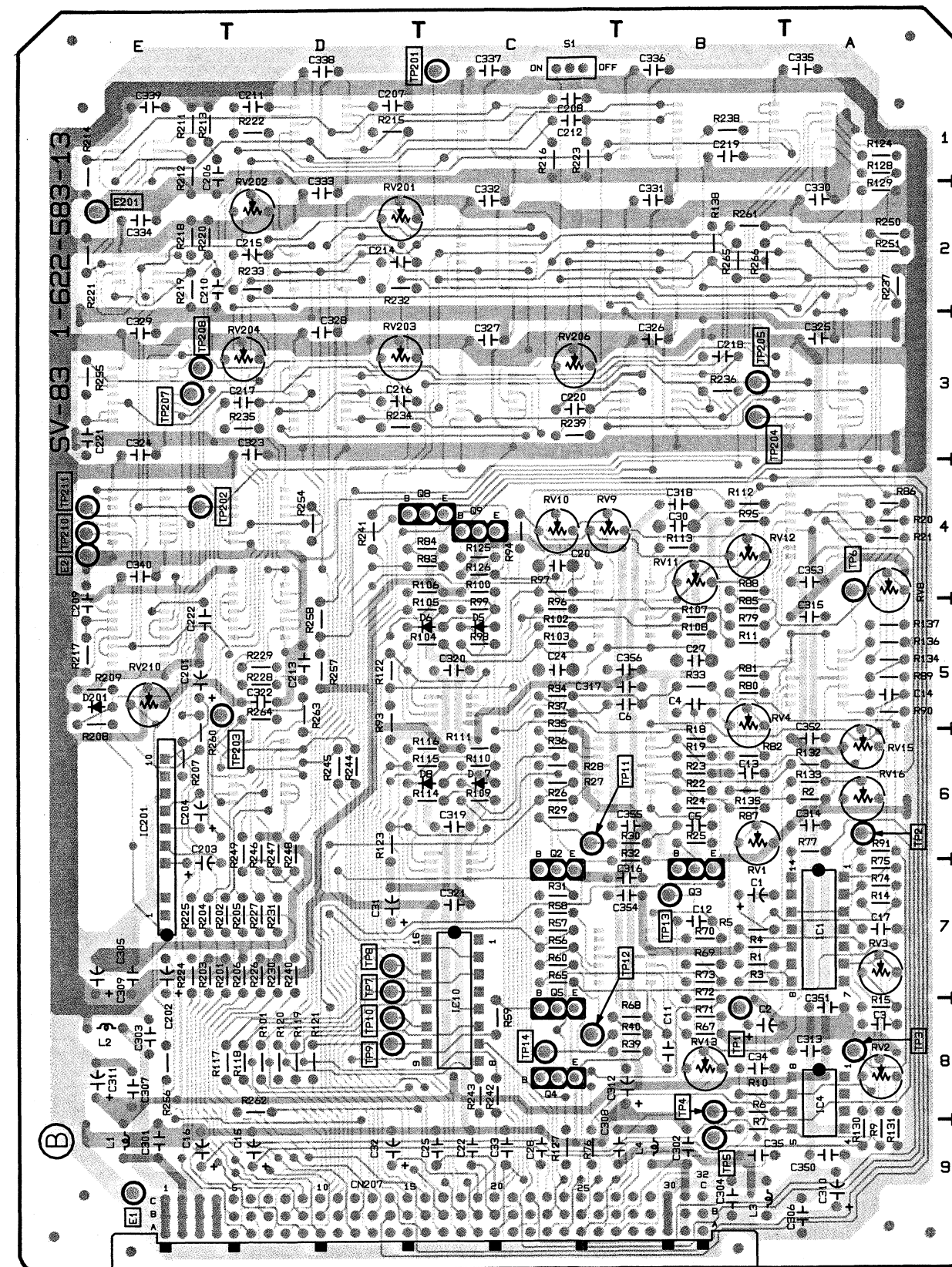
SV-83/83A/83B—COMPONENT SIDE—

1-622-583-12, 13
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96

SV-83/83A/83B; REEL SERVO



SV-83/83A/83B—COMPONENT SIDE—
1-622-583-12, 13
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96



SV-83/83A/83B—SOLDERING SIDE—
1-622-583-12, 13
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

SV-84; CAPSTAN/DRUM SERVO

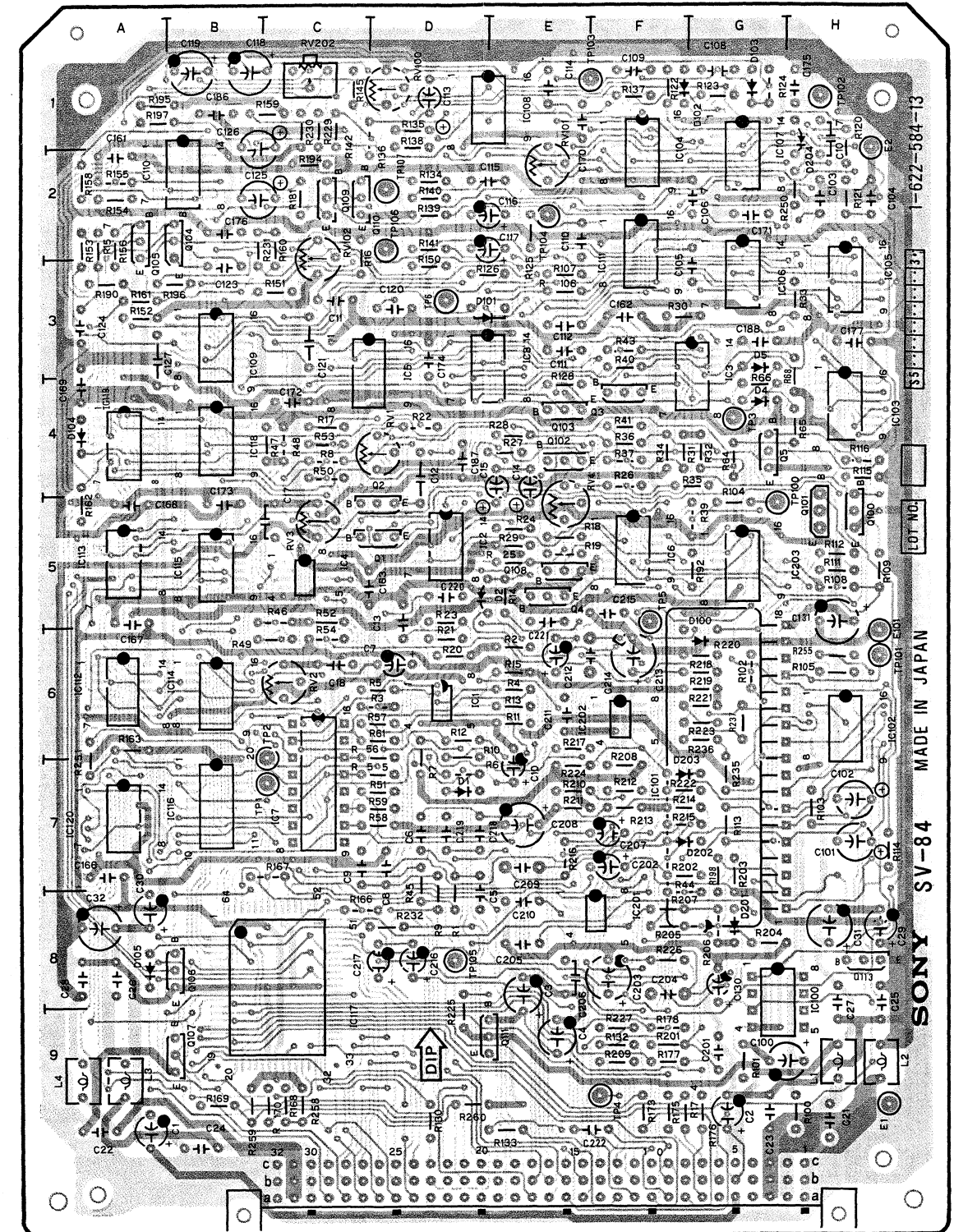
SV-84 (1-622-584-13)

PRE.NO	TYPE	PIN NO.					
		V REF.	+12V V	+5V	GND	-5V	-12V
IC 1	NJM2903M	8			4		
IC 2	TL084CNS		4			11	
IC 3	TL084CNS		4			11	
IC 4	NJM2903M		8		4		
IC 5	TC4538BF			16	8		
IC 6	TC4053BFHB		16		8	7	
IC 7	CX23028			12.16	8		
IC 8	TC4011BF			14	7		
IC 100	NJM4558D-D	*	8		*	*	*
IC 101	BX3914	*	*	*	17	*	*
IC 102	TC4053BFHB		16		8		
IC 103	TC4053BFHB		16		8		
IC 104	TC4053BFHB		16		8		
IC 105	TC4538BF			16	8		
IC 106	TC4001BF			14	7		
IC 107	TC4071BF			14	7		
IC 108	TC4538BF			16	8		
IC 109	SN74LS221NS			16	8		
IC 110	TL084CNS		4				11
IC 111	TC4538BF			16	8		
IC 112	TC40H000F			14	7		
IC 113	TC40H000F			14	7		
IC 114	SN74HC193F			16	8		
IC 115	SN74HC193F			16	8		
IC 116	SN74LS683NS			20	10		
IC 117	CXD1095Q			26.58	10.25.42.57		
IC 118	TC74HC4049F			1	8		
IC 119	TC74HC74F			14	7		
IC 120	TC74HC32F			14	7		
IC 201	NJM2903M			8	4		
IC 202	NJM2903M		16		8		
IC 203	TC4053BFHB						

*REFER TO SCHEMATIC

SV-84 (1-622-584-13)

CN208	E-9	Q1	D-5
D1	D-7	Q2	D-5
D2	D-5	Q3	F-4
D4	G-4	Q4	E-5
D5	G-3	Q5	G-4
D100	G-6	Q100	H-5
D101	D-3	Q101	H-5
D102	F-1	Q102	E-4
D103	G-1	Q103	E-4
D104	A-4	Q104	B-2
D105	A-8	Q105	A-2
D201	G-8	Q106	B-8
D202	F-7	Q107	B-9
D203	F-7	Q108	E-5
D204	H-1	Q109	C-2
		Q110	C-2
		Q111	D-9
		Q113	H-8
E1	H-9	RV1	D-4
E2	H-1	RV2	C-6
E101	H-6	RV3	C-5
IC1	D-6	RV4	E-5
IC2	D-5	RV100	D-1
IC3	G-3	RV101	E-2
IC4	C-5	RV102	C-2
IC5	D-3	RV202	C-1
IC6	F-5		
IC7	C-7	TP1	C-7
IC8	E-3	TP2	C-7
IC100	G-8	TP3	G-4
IC101	G-7	TP4	F-9
IC102	H-6	TP5	F-5
IC103	H-4	TP6	D-3
IC104	F-1	TP100	G-5
IC105	H-3	TP101	H-6
IC106	G-3	TP102	H-1
IC107	G-2	TP103	E-1
IC108	E-1	TP104	E-2
IC109	B-3	TP105	D-8
IC110	B-2	TP106	D-2
IC111	F-2	TP107	D-2
IC112	A-6		
IC113	A-5		
IC114	B-6		
IC115	B-5		
IC116	B-7		
IC117	C-8		
IC118	B-4		
IC119	A-4		
IC120	A-7		
IC201	F-8		
IC202	F-6		
IC203	G-5		



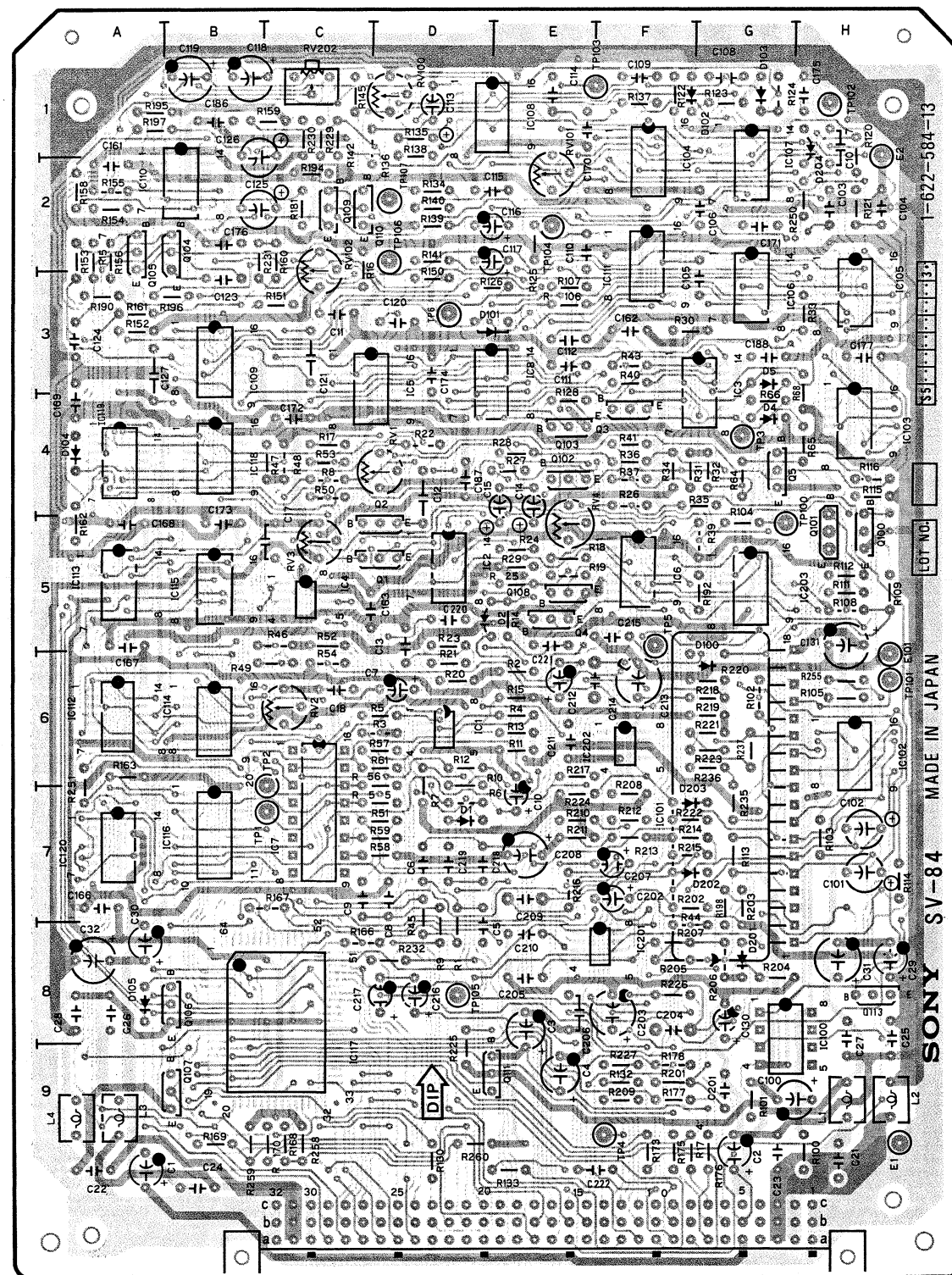
SV-84 — COMPONENT SIDE —
 1-622-584-13
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96

SV-84 ; CAPSTAN/DRUM SERVO

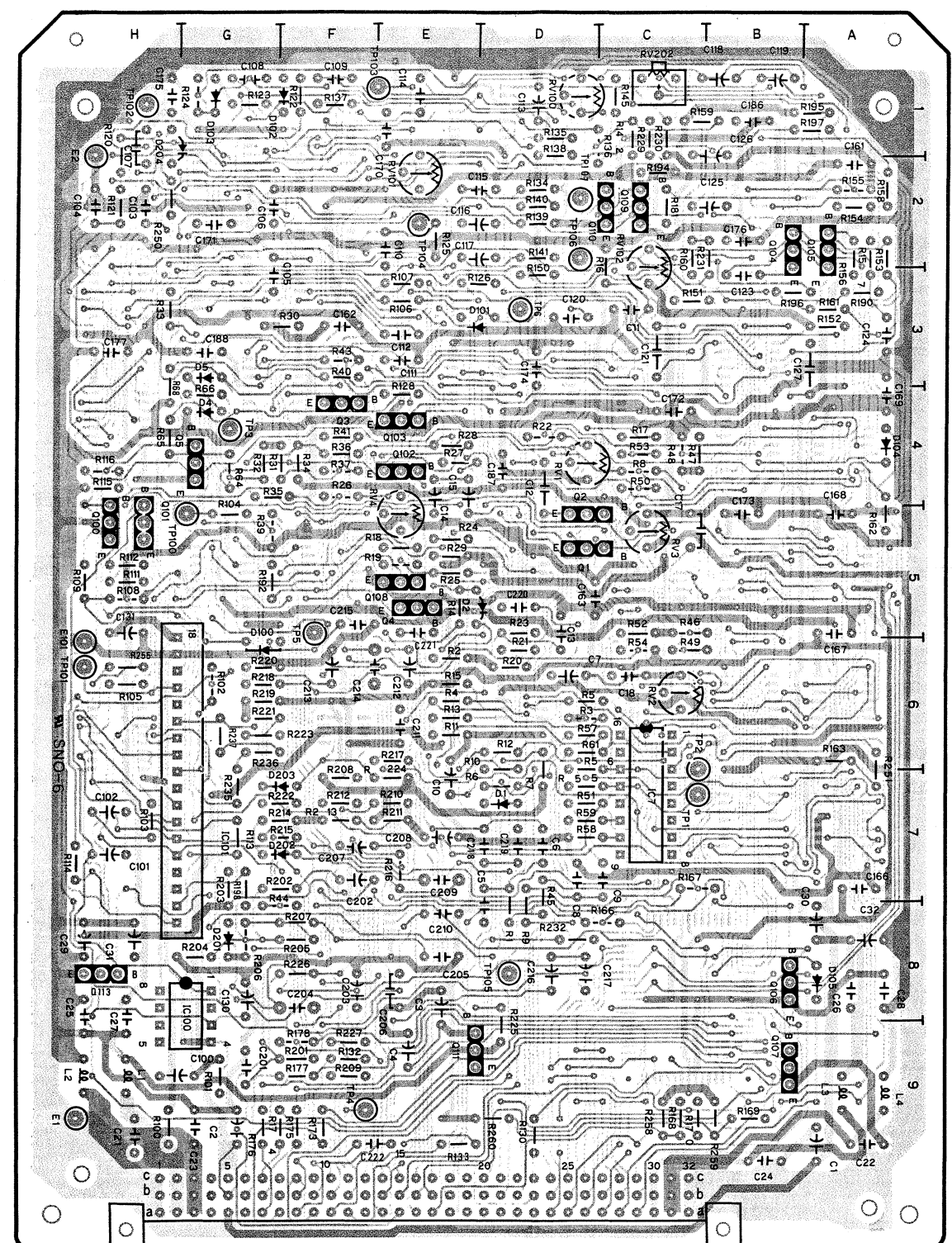
D-5
D-5
F-4
E-5
G-4
H-5
H-5
E-4
B-4
B-2
A-2
B-8
B-9
F-5
C-2
D-9
H-8

D-4
C-6
C-5
E-5
D-1
E-2
C-2
C-1

F-7
D-7
J-4
F-9
F-5
D-5
J-6
H-1
E-2
D-8
D-2
D-2



SV-84 -COMPONENT SIDE-
1-622-584-13
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96



SV-84 -SOLDERING SIDE-
1-622-584-13
BVW-60 BVW-75
BVW-65 BVW-95
BVW-70 BVW-96

RE-28 (1-622-559-12)

REF. NO.	TYPE	PIN NO.	
		+12V	GND
IC 1	CX877	8	9

RE-28 (1-622-559-12)

CN811 C-2
CN812 C-2
CN813 D-2
CN814 B-2
CN815 C-1
CN816 D-1
CN817 C-1
CN818 D-1
CN819 D-1
CN820 D-1
CN821 A-1
CN822 A-2
CN823 B-1
CN824 A-2

D1 B-1

E1 D-2

IC1 B-1

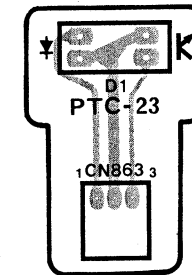
Q1 D-2
Q2 D-1
Q3 D-2
Q4 C-2
Q5 B-2
Q6 B-2

DR-56 (1-622-561-12)

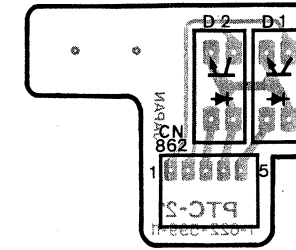
CN841 K-1
CN842 F-1
CN843 A-1

Q1 G-1
Q2 G-1
Q3 H-1
Q4 H-1
Q5 I-1
Q6 J-1
Q7 J-1
Q8 E-1
Q9 E-1
Q10 D-1
Q11 C-1
Q12 B-1

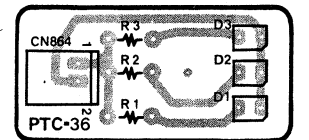
RE-28; DRUM/CAPSTAN MOTOR DRIVER
PTC-20; CASSETTE DETECTOR
PTC-21; REEL TABLE POSITION DETECTOR
PTC-23; REC INHIBIT DETECTOR
PTC-36; CASSETTE DETECTOR
DR-56; DRUM ERROR AMPLIFIER, CAPSTAN/REEL MOTOR DRIVER



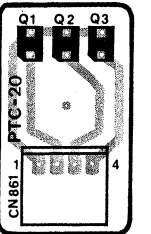
PTC-23 — COMPONENT SIDE —
1-622-600-11
BVW-70
BVW-75
BVW-96



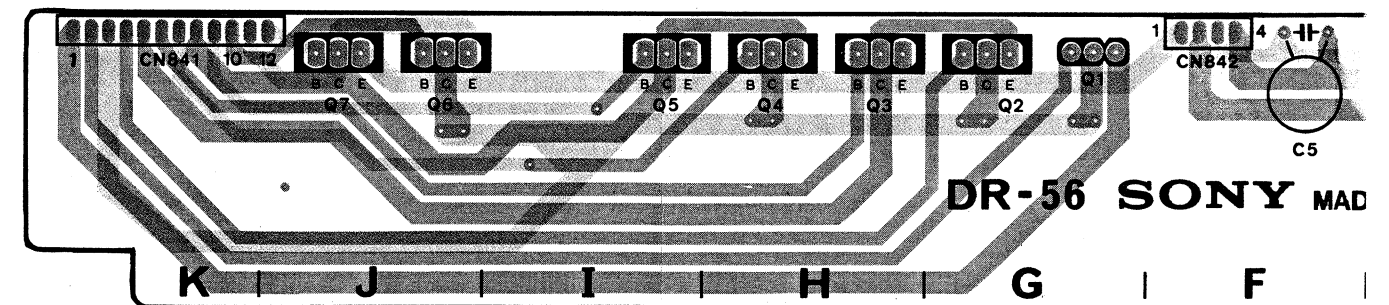
PTC-21 — COMPONENT SIDE —
1-622-599-11
BVW-60 BVW-75
BVW-65
BVW-70



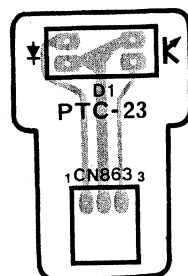
PTC-36 — COMPONENT SIDE —
1-622-601-11
BVW-60 BVW-75
BVW-65
BVW-70



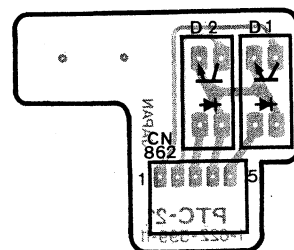
PTC-20 — COMPONENT SIDE —
1-622-598-11
BVW-60 BVW-75
BVW-65
BVW-70



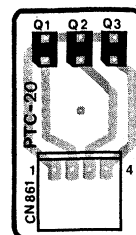
RE-28 ; DRUM/CAPSTAN MOTOR DRIVER
 PTC-20 ; CASSETTE DETECTOR
 PTC-21 ; REEL TABLE POSITION DETECTOR
 PTC-23 ; REC INHIBIT DETECTOR
 PTC-36 ; CASSETTE DETECTOR
 DR-56 ; DRUM ERROR AMPLIFIER, CAPSTAN/REEL MOTOR DRIVER



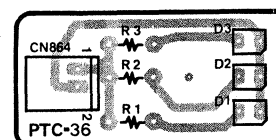
PTC-23 — COMPONENT SIDE —
 1-622-600-11
 BVW-70
 BVW-75
 BVW-96



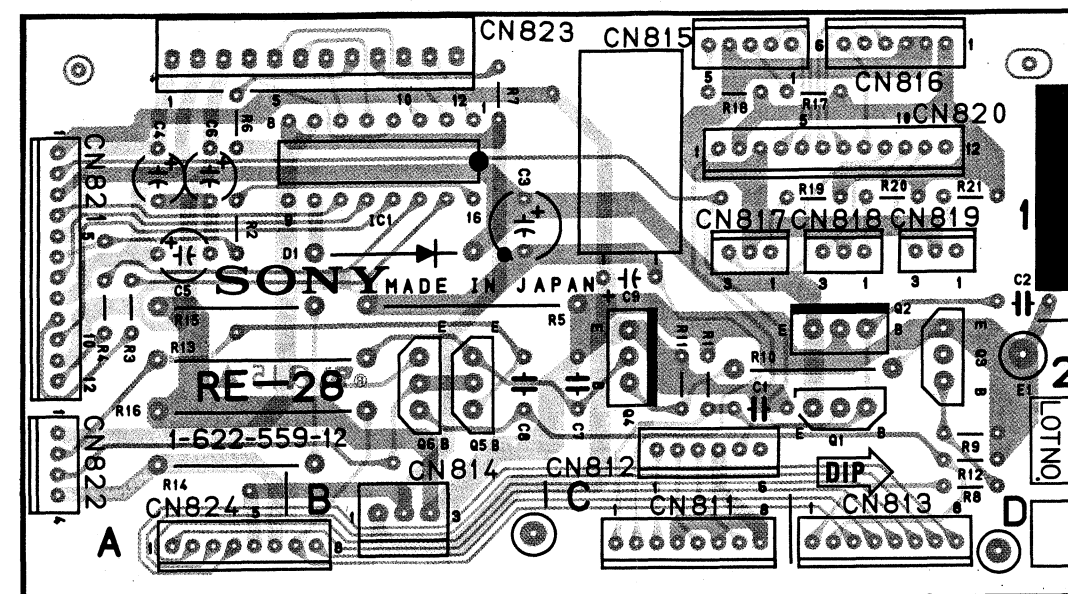
PTC-21 — COMPONENT SIDE —
 1-622-599-11
 BVW-60 BVW-75
 BVW-65 BVW-70



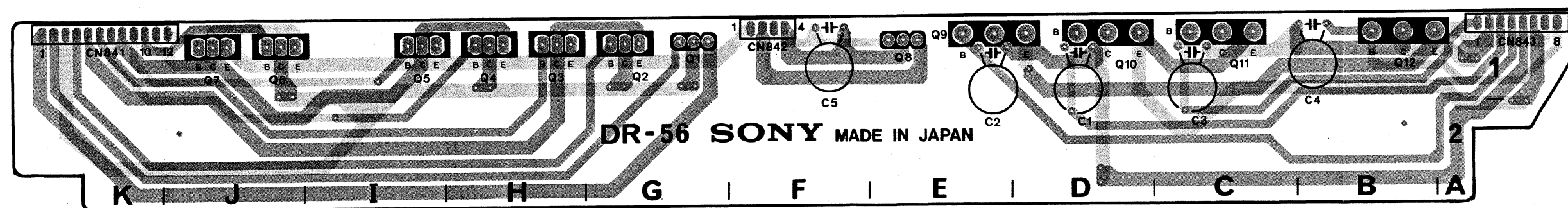
PTC-20 — COMPONENT SIDE —
 1-622-598-11
 BVW-60 BVW-75
 BVW-65 BVW-70



PTC-36 — COMPONENT SIDE —
 1-622-601-11
 BVW-60 BVW-75
 BVW-65 BVW-70



RE-28 — COMPONENT SIDE —
 1-622-559-12
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



DR-56 — SOLDERING SIDE —
 1-622-561-12
 BVW-60 BVW-75
 BVW-65 BVW-70

RE-36 (1-622-560-11)

REF.NO	TYPE	PIN NO.	
		+12V	GND
IC 101	NJM4562D-D	8	4
IC 201	NJM4562D-D	8	4

RE-36 (1-622-560-11)

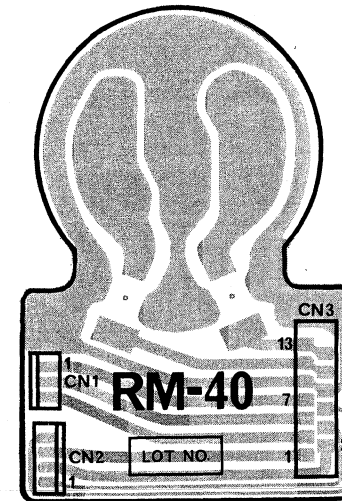
CN801 C-1
CN802 J-2
CN803 H-1
CN804 H-1
CN805 A-2
CN806 H-2
CN807 D-1
CN808 J-1
CN809 J-1
CN810 J-2
CN811 C-1
CN812 C-1
CN813 C-1

D1 J-1
D2 J-2

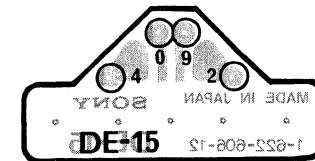
IC101 D-2
IC201 D-2

Q1 G-2
Q2 F-2
Q3 E-2
Q4 G-2
Q101 C-1
Q102 C-1
Q201 C-2
Q202 C-2

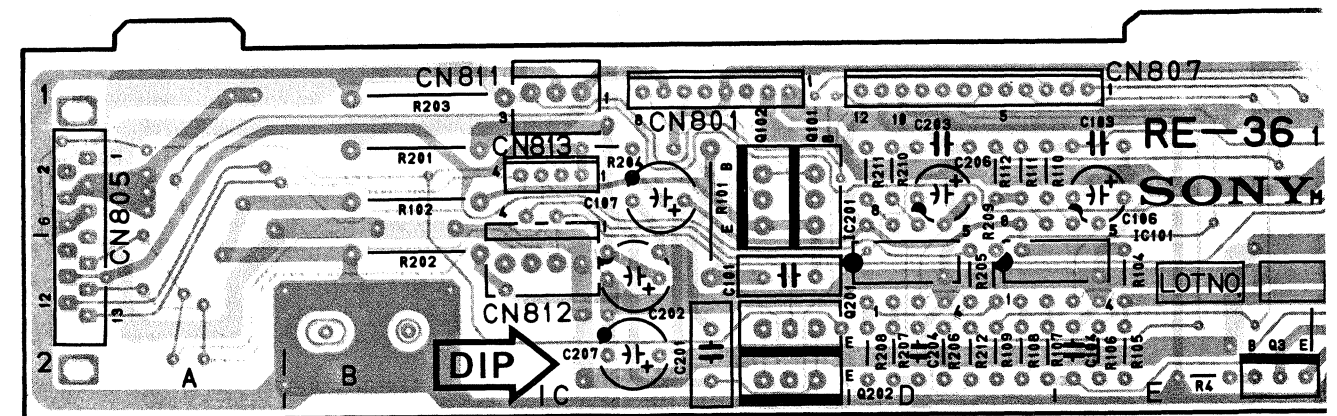
RE-36; REEL MOTOR DRIVER
RM-40; REEL MOTOR
DE-15; REEL MOTOR FG
SE-57; THREADING MOTOR CONTROL
PTC-31; THREADING MOTOR FG
TR-18; TAPE TENSION DETECTOR

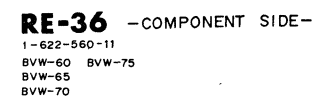


RM-40 -COMPONENT SIDE-
1-622-605-12
BVW-60 BVW-75
BVW-65
BVW-70



DE-15 -COMPONENT SIDE-
1-622-606-12
BVW-60 BVW-75
BVW-65
BVW-70





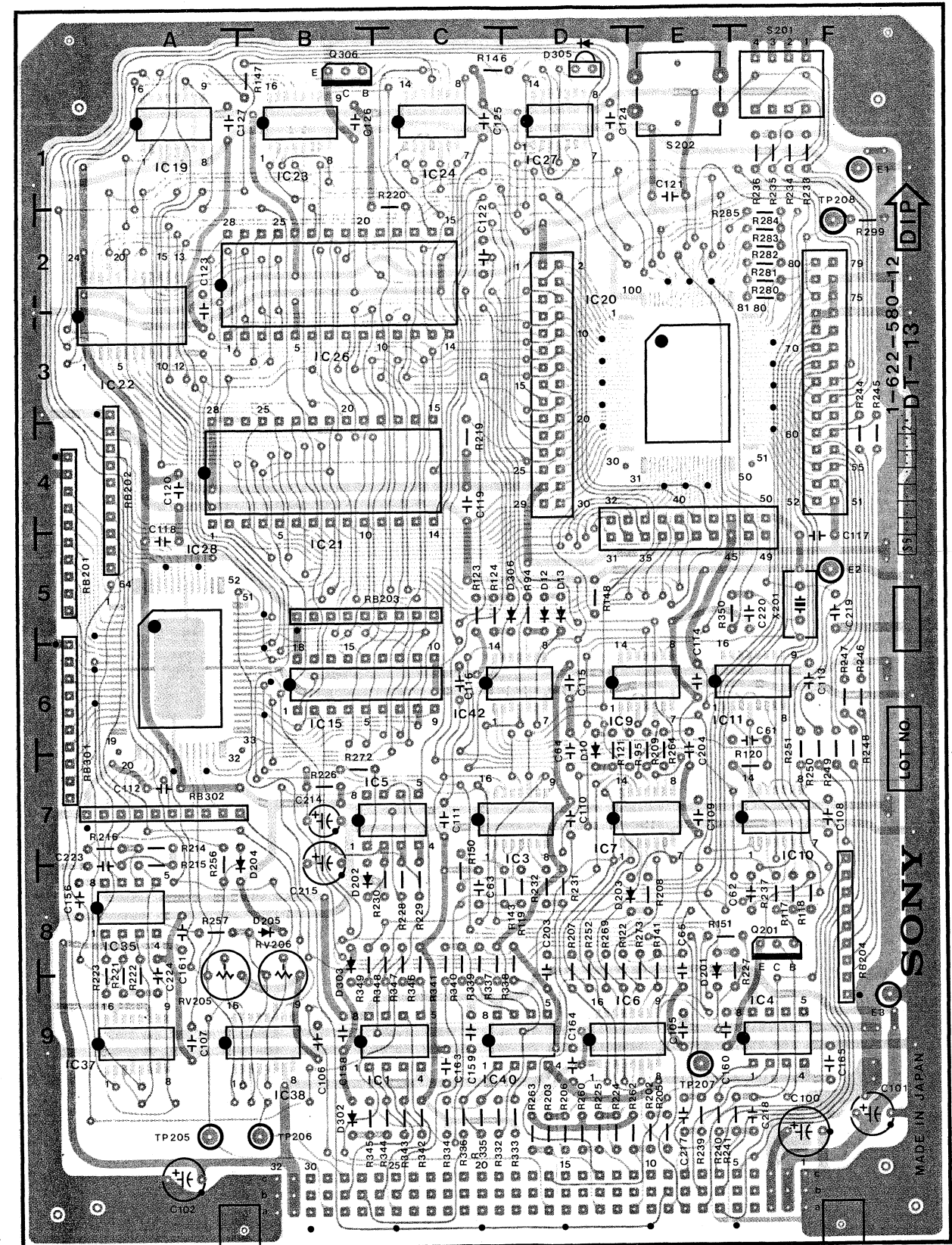
DT-13; DYNAMIC TRACKING

DT-13 (1-622-580-12)

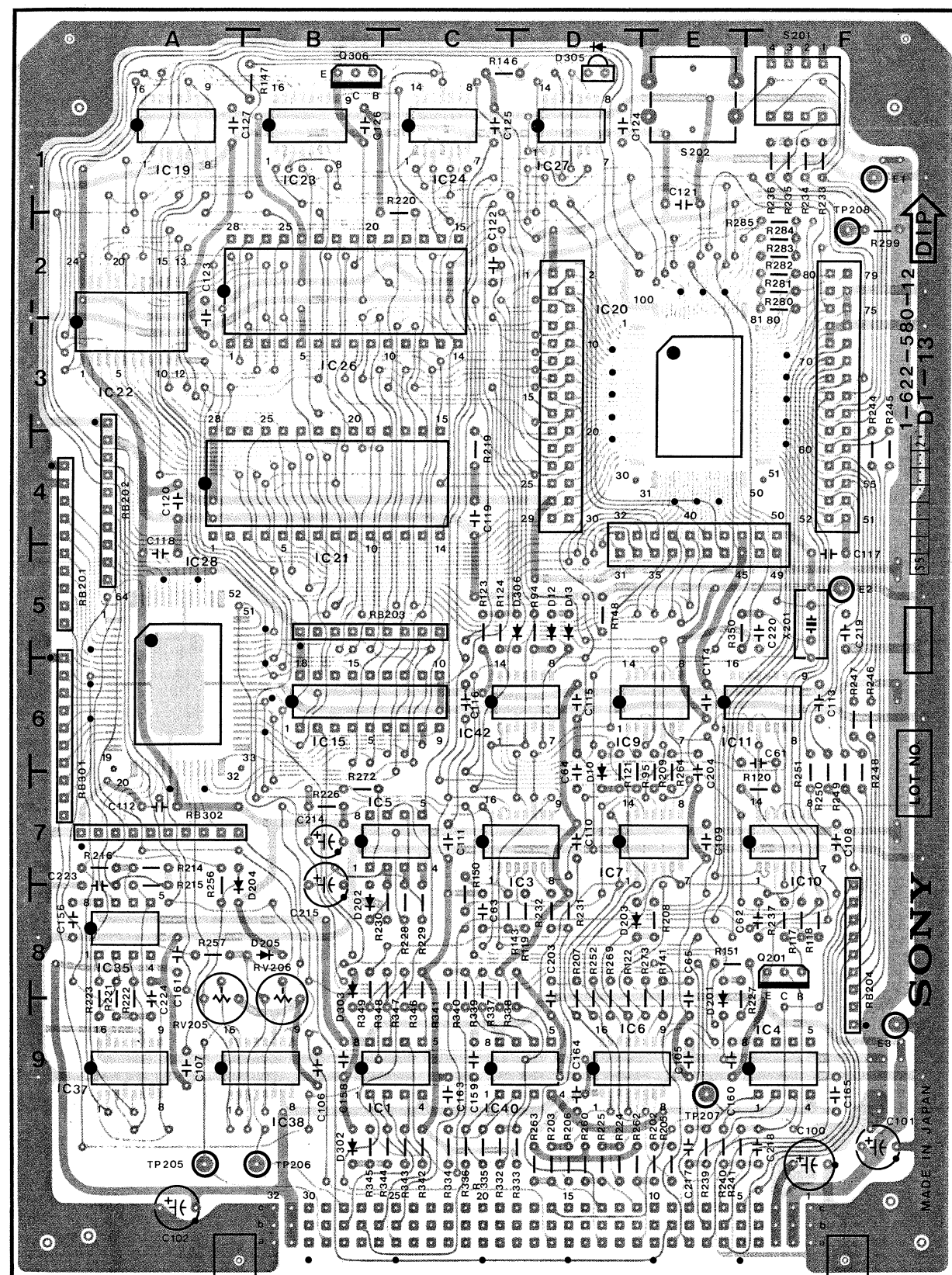
PRE.NO	TYPE	PIN NO.			
		+12V	+5V	GND	-12V
IC 1	μ PC4558C	8	14	7	4
IC 3	SN74HC368NS	8			4
IC 4	μ PC4558C		8	4	
IC 5	NJM2903D		1	8	
IC 6	TC4050BF		14	7	
IC 7	TC4030BF		14	7	
IC 9	TC4001BF		14	7	
IC 10	TC4081BF		14	7	
IC 11	TC4538BF		16	8	
IC 15	MSM5204ARS		18	3.10	
IC 19	TC40H163F		16	8	
IC 20	TMP284C011AF-6		11	29	
IC 21	MBM2764-25		28	14	
IC 22	CXK5816M-12L		24	12	
IC 23	TC40H139F		16	8	
IC 24	TC40H032F		14	7	
IC 26	TMP284C30AP-6		24	5	
IC 27	TC74HC74F		16	8	
IC 28	CXD10950		16	8	
IC 35	μ PC4558C	8			4
IC 37	TC4053BF		16	8	
IC 38	TC4053BF		16	8	
IC 40	μ PC4558C	8			4
IC 42	TC504013BF		14	7	

DT-13 (1-622-580-12)

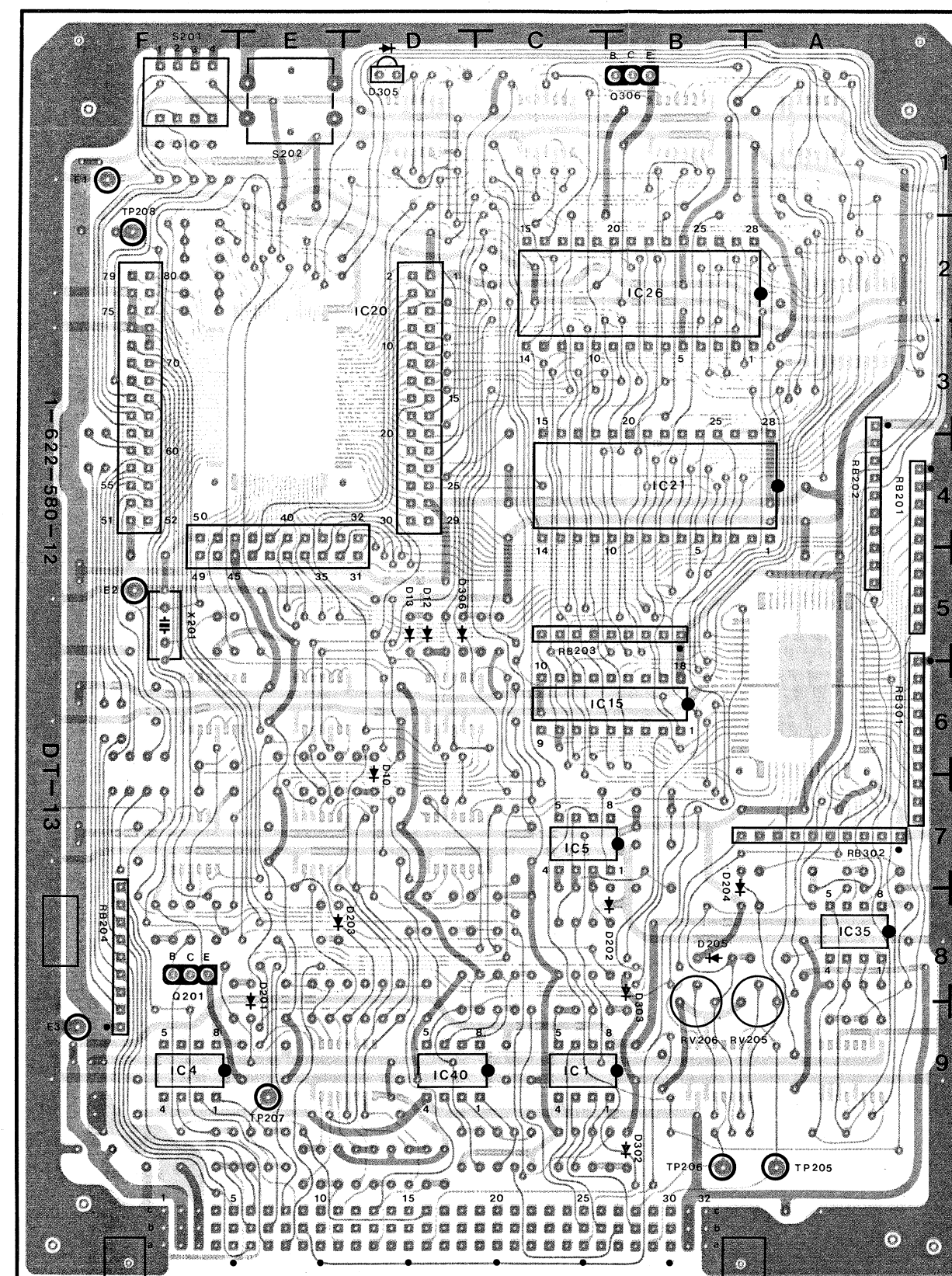
CN1	D-9
D10	D-6
D12	D-5
D13	D-5
D201	E-8
D202	B-8
D203	D-8
D204	B-7
D205	B-8
D302	B-9
D303	B-8
D305	D-1
D306	D-5
E1	F-1
E2	F-5
E3	F-9
IC1	C-9
IC3	D-7
IC4	F-9
IC5	C-7
IC6	D-9
IC7	E-7
IC9	E-6
IC10	F-7
IC11	F-6
IC15	B-6
IC19	A-1
IC20	E-3
IC21	B-4
IC22	A-3
IC23	B-1
IC24	C-1
IC26	B-2
IC27	D-1
IC28	A-6
IC35	A-8
IC37	A-9
IC38	B-9
IC40	D-9
IC42	D-6
Q201	F-8
Q306	B-1
RV205	A-9
RV206	B-9
S201	F-1
S202	E-1
TP205	A-9
TP206	B-9
TP207	E-9
TP208	F-2
X201	F-5



DT-13 -COMPONENT SIDE-
 1-622-580-12
 BVW-65 BVW-96
 BVW-75
 BVW-95



DT-13 - COMPONENT SIDE -
1-622-580-12
BVW-65 BVW-96
BVW-75
BVW-95



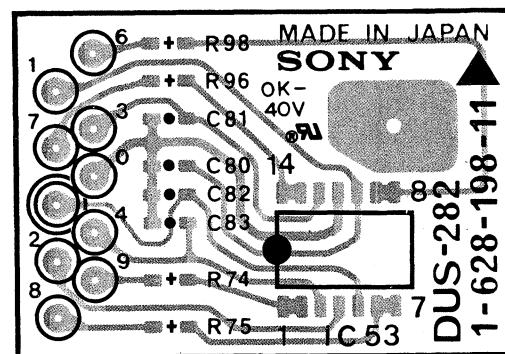
DT-13 - SOLDERING SIDE -
1-622-580-12
BVW-65 BVW-96
BVW-75
BVW-95

DT-14 (1-622-581-11)

REF.No	TYPE	PIN NO.				
		+12V	+9V	+5V	GND	-12V
IC 1	HD14538BFP			16	8	
IC 2	TC504013BF			14	7	
IC 3	μPC4558C	8				4
IC 4	μPC4558C	8				4
IC 5	μPC4558C	8				4
IC 6	μPC4558C	8				4
IC 7	μPC4558C	8				4
IC 8	μPC4558C	8				4
IC 9	HD14538BFP			16	8	
IC 10	HD14538BFP			16	8	
IC 11	μPC4558C	8				4
IC 12	TC4023BF			14	7	
IC 13	TC4069UBF			14	7	
IC 14	TC4011BF			14	7	
IC 15	μPC4558C	8				4
IC 16	μPC4558C	8				4
IC 17	μPC4558C	8				4
IC 18	μPC4558C	8				4
IC 19	μPC4558C	8				4
IC 20	μPC4558C	8				4
IC 21	TC4053BF			16	8	
IC 22	TC4053BF			16	8	
IC 23	TC4053BF			16	8	
IC 43	TC504013BF			14	7	
IC 44	HD14538BFP			16	8	
IC 45	TC4030BF			14	7	
IC 46	HD14538BFP			16	8	
IC 47	TC504013BF			14	7	
IC 48	HD14538BFP			16	8	
IC 50	TC4053BF			16	8	
IC 51	TC4053BF			16	8	
IC 101	CX20061		1		5	
IC 102	AN608P	2			4	
IC 103	HA12411	11			4.14.16	
IC 104	BX3915A	10			2.8	
IC 105	NJM2903D	8				4
IC 106	HD14538BFP			16	8	

DT-15 (1-622-558-12)

REF.No	TYPE	PIN NO.	
		+12V	-12V
IC 7	NJM4558M	8	4
IC 8	NJM4558M	8	4
IC 9	NJM4558M	8	4
IC 10	NJM4558M	8	4



DUS-282 - COMPONENT SIDE -
1-622-198-11
BVW-65 BVW-96
BVW-75
BVW-95

DT-14 (1-622-581-11)

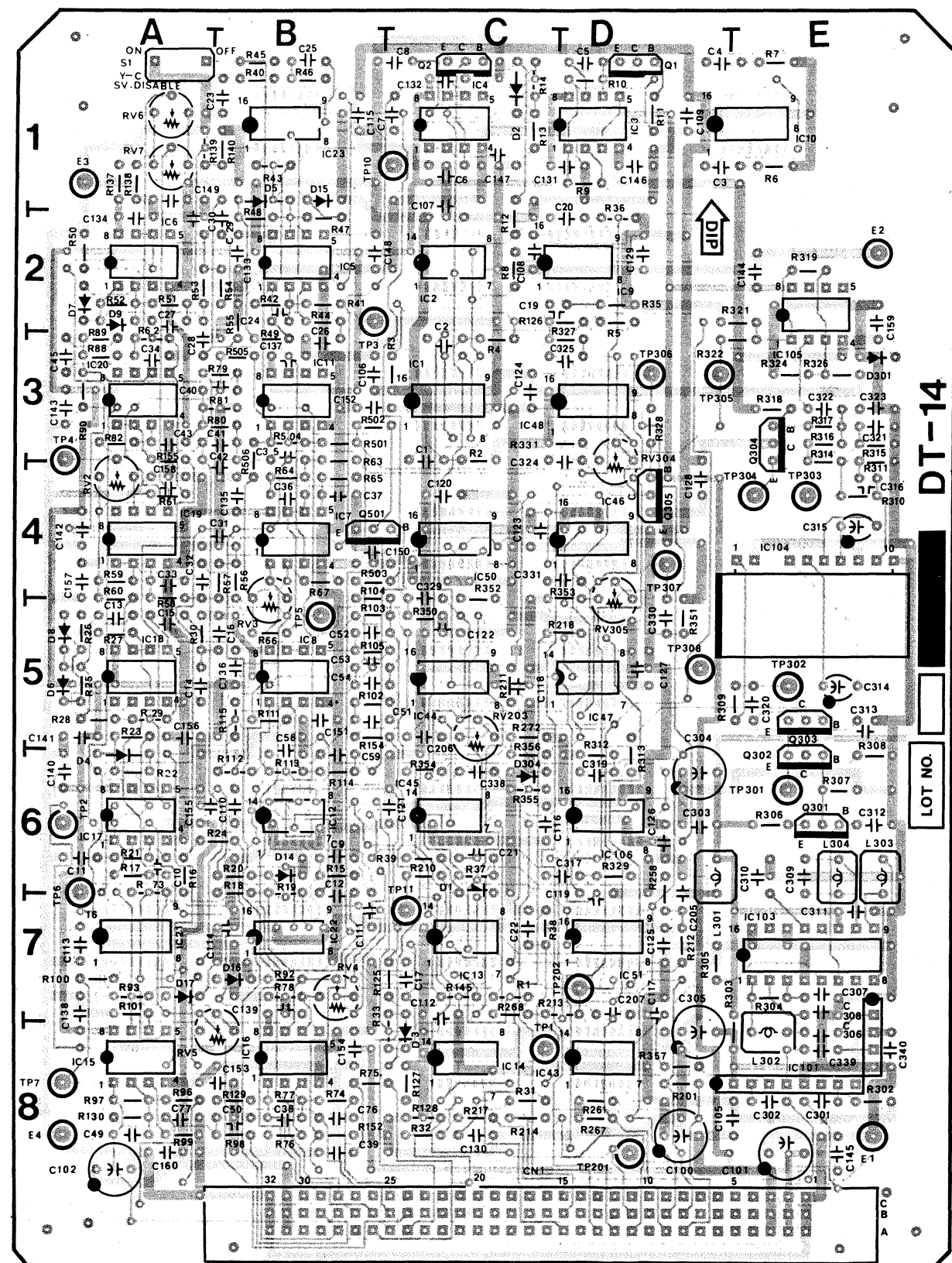
CN1	C-8	IC13	C-7	RV2	A-4
D1	C-6	IC14	C-8	RV3	B-5
D2	C-1	IC15	A-8	RV4	B-7
D3	C-8	IC16	B-8	RV5	B-8
D4	A-6	IC17	A-6	RV6	A-1
D5	B-1	IC18	A-5	RV7	A-1
D6	A-5	IC19	A-4	RV203	C-5
D7	A-2	IC20	A-3	RV304	C-4
D8	A-5	IC21	A-7	RV305	D-5
D9	A-2	IC22	B-7		
D14	B-6	IC23	B-1	S1	A-1
D15	B-1	IC43	D-8		
D16	B-7	IC44	C-5	TP1	C-8
D17	A-7	IC45	C-6	TP2	A-6
D301	E-3	IC46	D-6	TP3	B-2
D304	C-6	IC47	D-5	TP4	A-3
		IC48	D-2	TP5	B-5
		IC50	C-4	TP6	A-6
E1	E-8	IC51	D-8	TP7	A-8
E2	E-2	IC101	E-8	TP10	C-1
E3	A-1	IC102	E-8	TP11	D-7
E4	A-8	IC103	E-7	TP201	D-8
		IC104	E-5	TP202	D-7
		IC105	E-2	TP301	E-6
IC1	C-3	IC106	D-6	TP302	E-5
IC2	C-2			TP303	E-4
IC3	D-1	Q1	D-1	TP304	E-4
IC4	C-1	Q2	C-1	TP305	D-3
IC5	B-2	Q301	E-6	TP306	D-3
IC6	A-2	Q302	E-6	TP307	D-4
IC7	B-4	Q303	E-5		
IC8	B-5	Q304	E-3		
IC9	D-2	Q305	D-4		
IC10	E-1	Q501	B-4		
IC11	B-3				
IC12	B-6				

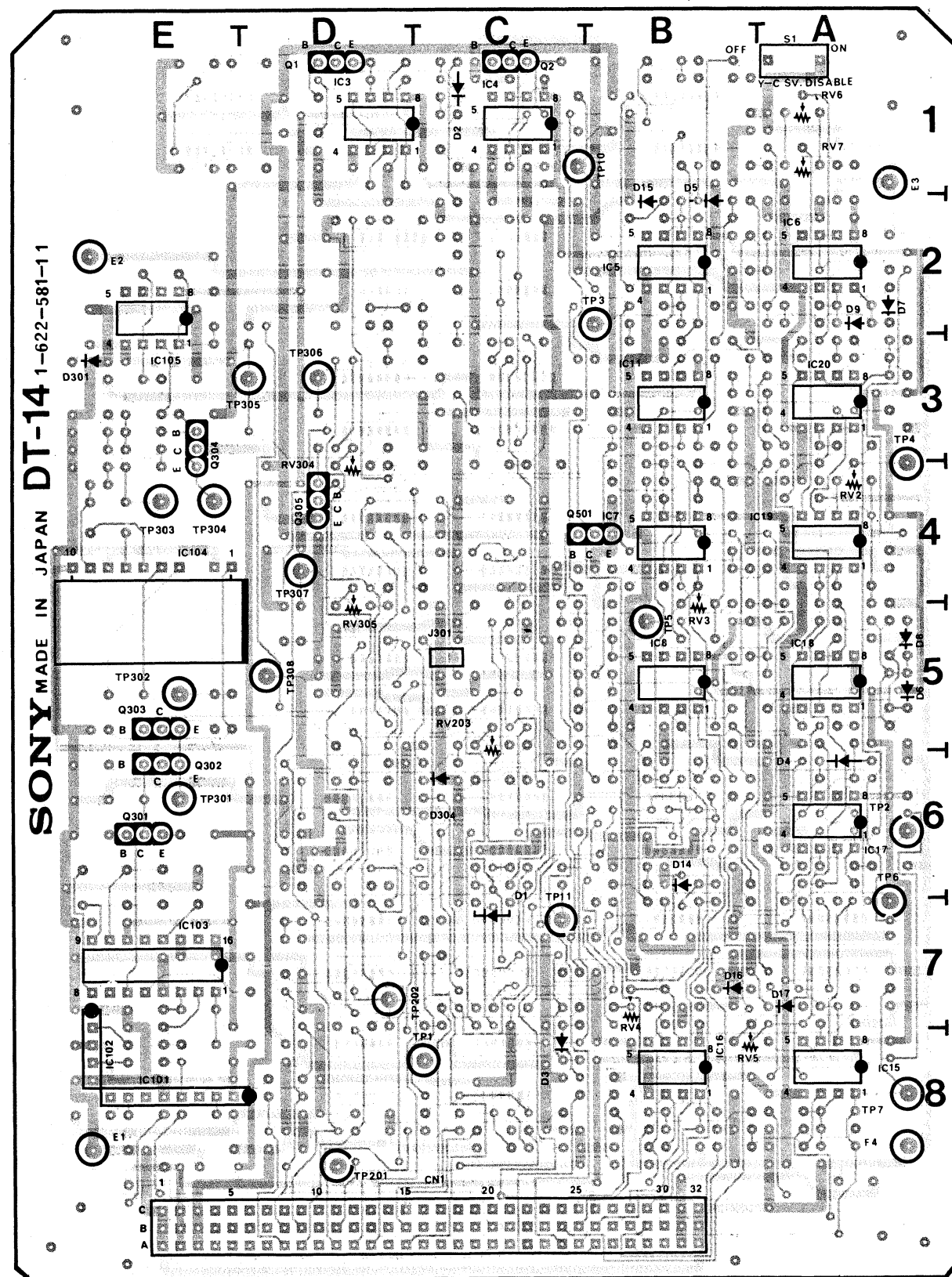
DT-15 (1-622-558-12)

CN611	D-1	IC7	D-1	RV2	A-2
CN612	D-2	IC8	D-2	T1	A-1
		IC9	D-2	TP8	A-1
		IC10	D-2	TP10	A-1
D1	A-1	Q1	A-1		
D2	A-2	Q2	A-1		
D3	A-2	Q6	D-1		
D4	B-2	Q7	D-1		
D5	B-2	Q8	D-1		
D7	D-1	Q9	C-1		
D8	D-1	Q10	C-1		
D9	D-2	Q11	C-1		
D11	A-2	Q12	D-2		
D12	D-1	Q13	D-2		
D15	D-2	Q14	D-2		
E1	A-1	Q15	C-2		
F1	B-1	Q16	C-2		
		Q17	C-2		

DT-14; DYNAMIC TRACKING
DUS-282; STRAIN GAGE BUFFER
DT-15; DYNAMIC TRACKING

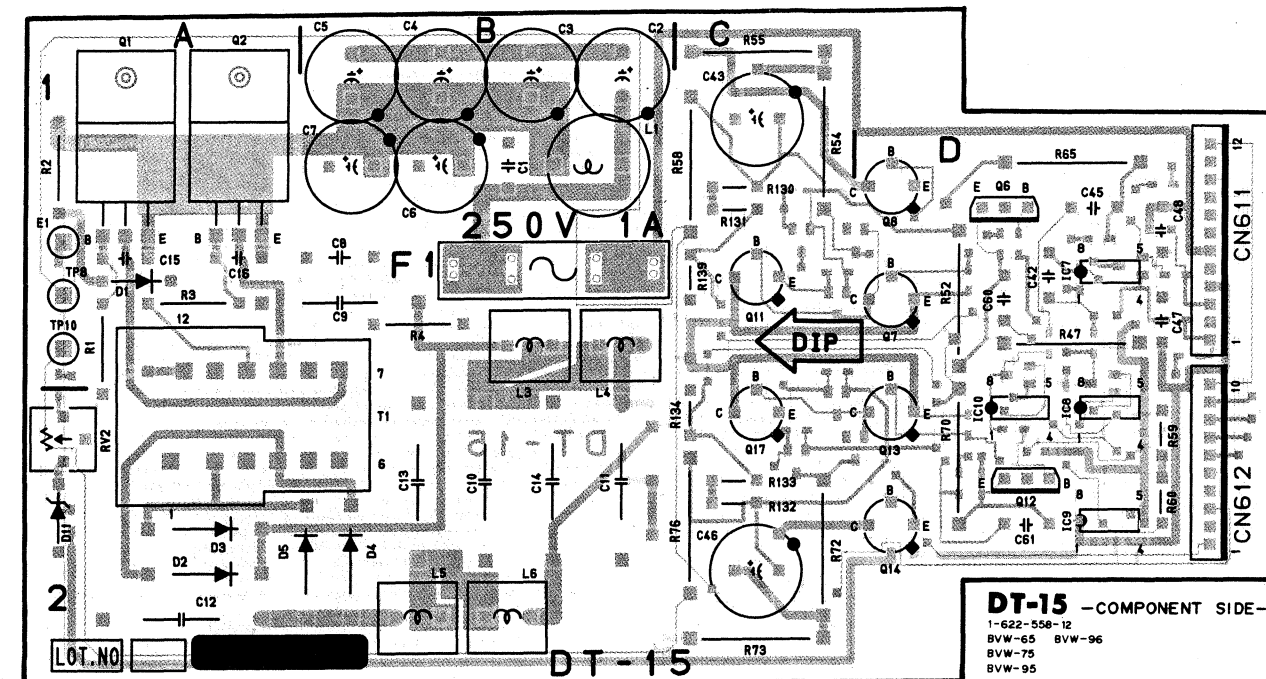
UC; Up to S/N 14656
J; Up to S/N 11948



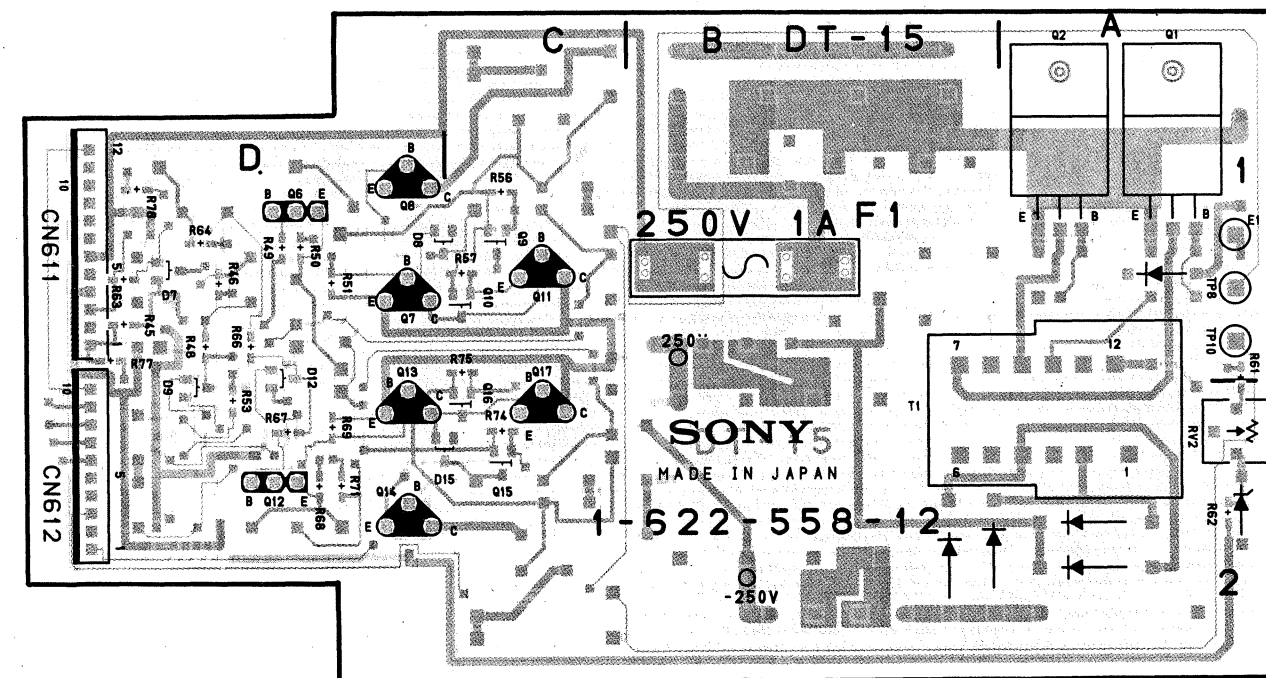


DT-14 -SOLDERING SIDE-
 1-622-581-11
 BVW-65 BVW-96
 BVW-75
 BVW-95

17-173 (a)



DT-15 -COMPONENT SIDE-
 1-622-558-12
 BVW-65 BVW-96
 BVW-75
 BVW-95



DT-15 -SOLDERING SIDE-
 1-622-558-12
 BVW-65 BVW-96
 BVW-75
 BVW-95

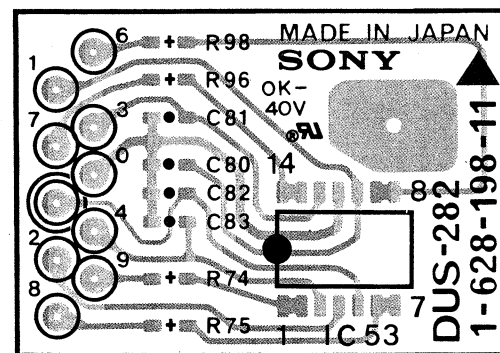
17-174 (a)

DT-14 (1-622-581-11)

REF.No	TYPE	PIN NO.				
		+12V	+9V	+5V	GND	-12V
IC 1	HD14538BFP			16	8	
IC 2	TC504013BF			14	7	
IC 3	μPC4558C	8				4
IC 4	μPC4558C	8				4
IC 5	μPC4558C	8				4
IC 6	μPC4558C	8				4
IC 7	μPC4558C	8				4
IC 8	μPC4558C	8				4
IC 9	HD14538BFP			16	8	
IC 10	HD14538BFP			16	8	
IC 11	μPC4558C	8				4
IC 12	TC4023BF			14	7	
IC 13	TC4069UBF			14	7	
IC 14	TC4011BF			14	7	
IC 15	μPC4558C	8				4
IC 16	μPC4558C	8				4
IC 17	μPC4558C	8				4
IC 18	μPC4558C	8				4
IC 19	μPC4558C	8				4
IC 20	μPC4558C	8				4
IC 21	TC4053BF			16	8	
IC 22	TC4053BF			16	8	
IC 23	TC4053BF			16	8	
IC 43	TC504013BF			14	7	
IC 44	HD14538BFP			16	8	
IC 45	TC4030BF			14	7	
IC 46	HD14538BFP			16	8	
IC 47	TC504013BF			14	7	
IC 48	HD14538BFP			16	8	
IC 50	TC4053BF			16	8	
IC 51	TC4053BF			16	8	
IC 101	CX20061					
IC 102	AN608P	2	1			
IC 103	HA12411	11			4.14.16	
IC 104	BX3915A	10			2.8	
IC 105	NJM2903D	8				4
IC 106	HD14538BFP			16	8	

DT-15(1-622-558-13,14)

REF.No	TYPE	PIN NO.	
		+12V	-12V
IC 7	NJM4558M	8	4
IC 8	NJM4558M	8	4
IC 9	NJM4558M	8	4
IC 10	NJM4558M	8	4



DUS-282 - COMPONENT SIDE -
1-628-198-11
BVW-65 BVW-96
BVW-75
BVW-95

DT-14 (1-622-581-11)

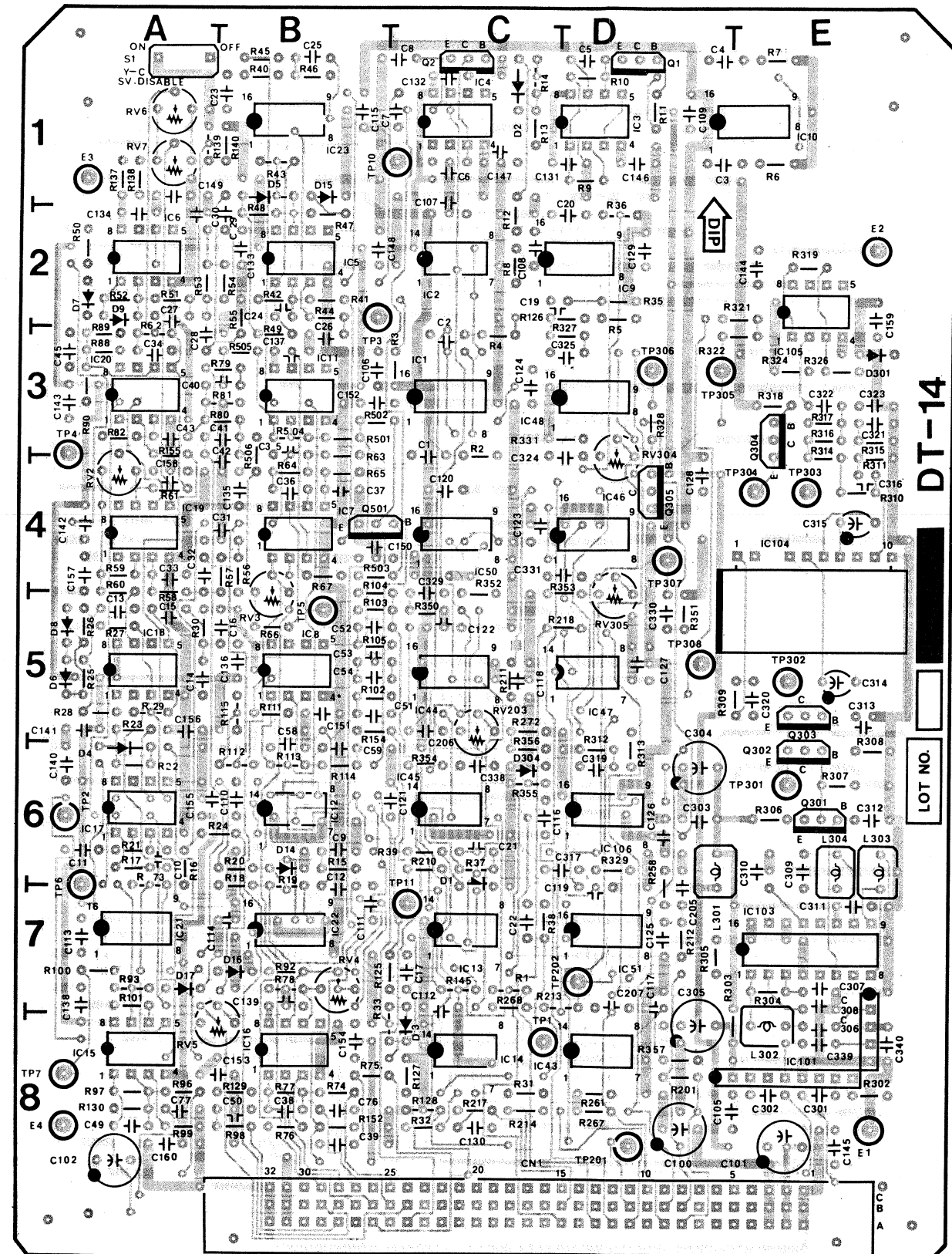
CN1	C-8	IC13	C-7	RV2	A-4
D1	C-6	IC14	C-8	RV3	B-5
D2	C-1	IC15	A-8	RV4	B-7
D3	C-8	IC16	B-8	RV5	B-8
D4	A-6	IC17	A-6	RV6	A-1
D5	B-1	IC18	A-5	RV7	A-1
D6	A-5	IC19	A-4	RV203	C-5
D7	A-2	IC20	A-3	RV304	C-4
D8	A-5	IC21	A-7	RV305	D-5
D9	A-2	IC22	B-7		
D14	B-6	IC23	B-1	S1	A-1
D15	B-1	IC43	D-8	TP1	C-8
D16	B-7	IC44	C-5	TP2	A-6
D17	A-7	IC45	C-6	TP3	B-2
D301	E-3	IC46	D-6	TP4	A-3
D304	C-6	IC47	D-5	TP5	B-5
		IC48	D-2	TP6	A-6
		IC50	C-4	TP7	A-8
E1	E-8	IC51	D-8	TP10	C-1
E2	E-2	IC101	E-8	TP11	D-7
E3	A-1	IC102	E-8	TP201	D-8
E4	A-8	IC103	E-7	TP202	D-7
		IC104	E-5	TP301	E-6
		IC105	E-2	TP302	E-5
		IC106	D-6	TP303	E-4
		Q1	D-1	TP304	E-4
		Q2	C-1	TP305	D-3
		Q301	E-6	TP306	D-3
		Q302	E-6	TP307	D-4
		Q303	E-5	TP308	D-5
		Q304	E-3		
		Q305	D-4		
		Q501	B-4		

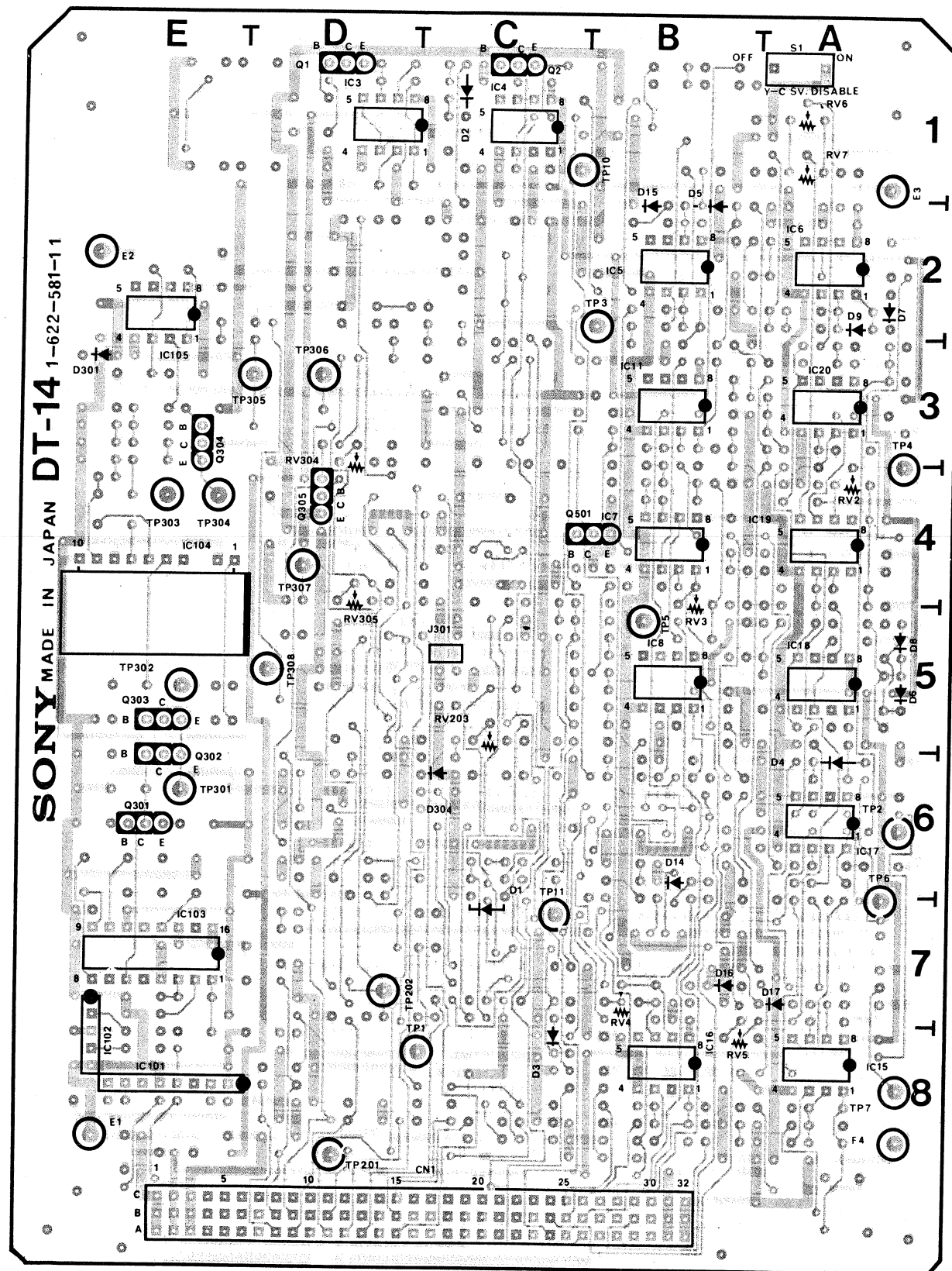
DT-15(1-622-558-13,14)

CN611	D-1	IC7	D-1	RV2	A-2
CN612	D-2	IC8	D-2	T1	A-1
		IC9	D-2	TP8	A-1
		IC10	D-2	TP10	A-1
D1	A-1	Q1	A-1		
D2	A-2	Q2	A-1		
D3	A-2	Q6	D-1		
D4	B-2	Q7	D-1		
D5	B-2	Q8	D-1		
D7	D-1	Q9	C-1		
D8	D-1	Q10	C-1		
D9	D-2	Q11	C-1		
D11	A-2	Q12	D-2		
D12	D-1	Q13	D-2		
D15	D-2	Q14	D-2		
E1	A-1	Q15	C-2		
F1	B-1	Q16	C-2		
		Q17	C-2		

DT-14; DYNAMIC TRACKING
DUS-282; STRAIN GAGE BUFFER
DT-15; DYNAMIC TRACKING

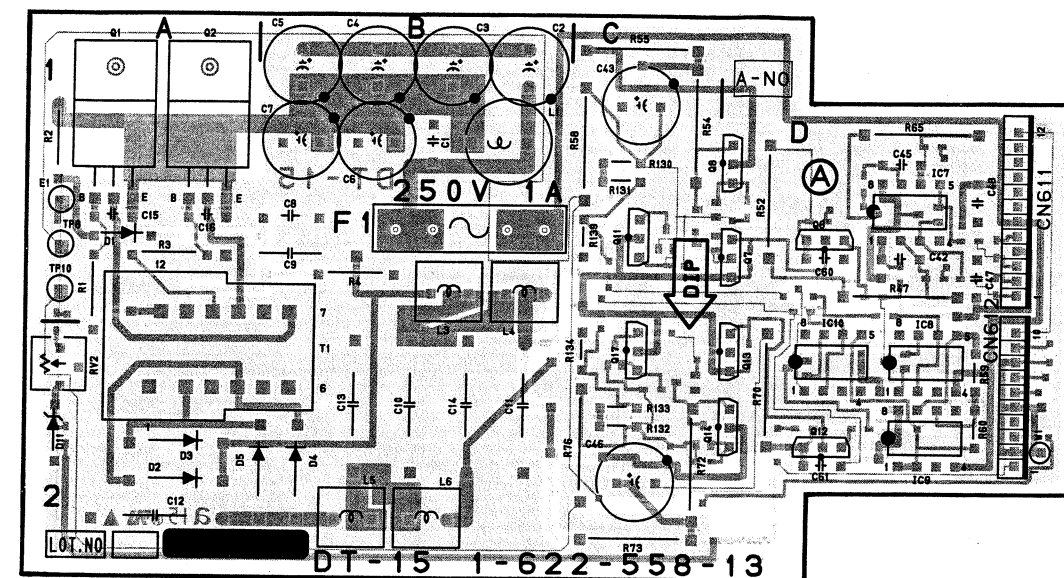
UC; S/N 14657 and higher
J; S/N 11949 and higher



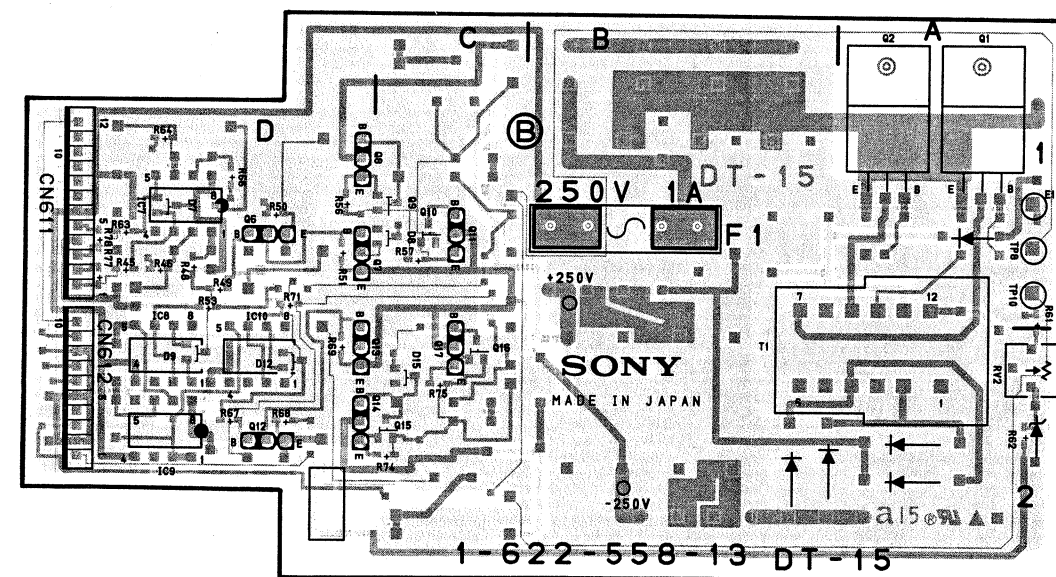


DT-14 —SOLDERING SIDE—
1-622-581-11
BVW-65 BVW-96
BVW-75
BVW-95

17-173 (b)



DT-15 —COMPONENT SIDE—
1-622-558-13, 14
BVW-65 BVW-96
BVW-75
BVW-95



DT-15 —SOLDERING SIDE—
1-622-558-13, 14
BVW-65 BVW-96
BVW-75
BVW-95

17-174 (b)

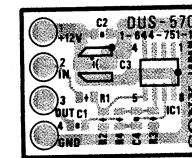
SY-61/61A/61B/61C (1-622-577-14)

REF. NO.	TYPE	PIN NO.	
		+5V	GND
IC 1	SN74LS244N	20	10
IC 2	SN74LS245N	20	10
IC 3	SN74LS244N	20	10
IC 4	MBM2212-25P	18	8
IC 5	SRM2016C10	24	12
IC 6	MBM27C256-25	28	14
IC 7	TMP284C011AF	27.51.90	28.50.77.100
IC 8	TC74HC04P	14	7
IC 9	M54529AP	1.14	7
IC 10	TC74HC11P	14	7
IC 11	TC74HC138P	16	8
IC 12	TC74HC138P	16	8
IC 13	TC74HC14P	14	7
IC 14	TC4050BP	1	8
IC 15	TC4053BPHB	16	7.8
IC 16	TC74HC595P	16	8
IC 17	TC74HC597P	16	8
IC 18	NJM78L05A	*	3
IC 19	MB88303	22	11
IC 20	AM26LS30PC	1	4.5.8
IC 21	TC74HC157P	16	8
IC 22	TC74HC157P	16	8
IC 23	SRM2016C10	24	12
IC 24	TC74HC04P	14	7
IC 25	NJM2903D	8	4
IC 26	MC34051P	16	8
IC 27	TMP284C011AF	27.51.90	28.50.77.100
IC 28	TC74HC245P	20	10
IC 29	TC74HC245P	20	10
IC 30	LH0082AD	24	5
IC 31	M54529AP	1.14	7
IC 32	M54529AP	1.14	7
IC 33	TC4030BP	14	7
IC 34	TC74HC08P	14	7
IC 35	SN74LS697N	20	10
IC 36	SN74LS697N	20	10
IC 37	M54529AP	1.14	7
IC 38	CXD1095Q	26.58	10.25.42.57
IC 39	MBM27C512-25	28	14
IC 40	CXK5864PN-12L	28	14
IC 41	LH0084A	9	31
IC 42	TC74HC32P	14	7
IC 43	TC74HC32P	14	7
IC 44	TC74HC00P	14	7
IC 45	M51958BL	1	3
IC 46	TC74HC08P	14	7
IC 47	MC14538BCP	16	8
IC 48	μ PD4069UBP	14	7
IC 49	MC74HC58N	14	7
IC 50	TC74HC32P	14	7
IC 51	TC74HC04P	14	7
IC 52	TC74HC139P	14	7
IC 53	TC74HC02P	14	7

* REFER TO SCHEMATIC

SY-61/61A/61B/61C (1-622-577-14)

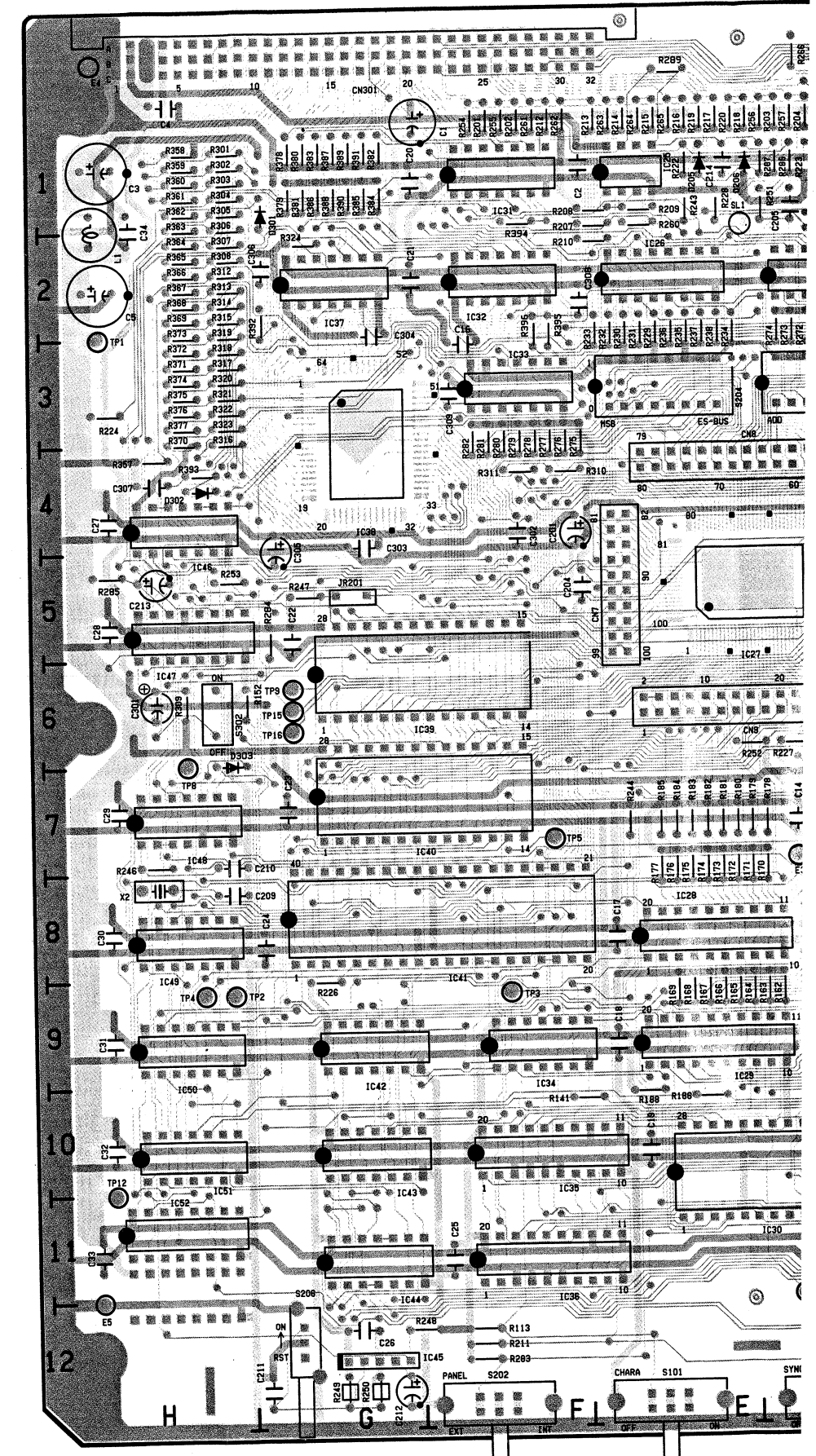
CN3	C-10	IC28	E-8
CN4	B-9	IC29	E-9
CN5	B-2	IC30	D-10
CN6	A-10	IC31	F-1
CN7	B-5	IC32	F-2
CN8	D-4	IC33	F-3
CN9	D-6	IC34	F-9
CN10	D-5	IC35	F-10
CN301	G-1	IC36	F-11
CN302	B-1	IC37	G-2
		IC38	G-4
CV101	C-7	IC39	F-6
CV102	C-7	IC40	F-7
		IC41	F-8
		IC42	G-9
D101	C-12	IC43	G-10
D102	D-6	IC44	G-11
D103	D-6	IC45	G-12
D201	C-1	IC46	H-4
D202	C-1	IC47	H-5
D203	D-1	IC48	H-7
D204	D-1	IC49	H-8
D205	E-1	IC50	H-9
D206	E-1	IC51	H-10
D301	G-1	IC52	H-11
D302	H-4	IC53	C-3
E1	A-1	S101	E-12
E2	A-12	S102	C-12
E3	D-7	S103	B-12
E4	H-1	S105	B-12
E5	H-12	S106	A-11
		S201	D-12
IC1	A-1	S202	F-12
IC2	A-2	S203	D-3
IC3	A-3	S204	E-3
IC4	A-4	S206	G-12
IC5	A-5	S302	H-6
IC6	A-7		
IC7	B-3	TP1	H-2
IC8	B-1	TP2	H-9
IC9	B-2	TP3	F-9
IC10	B-3	TP4	H-9
IC11	B-4	TP5	F-7
IC12	B-5	TP8	H-7
IC13	C-1	TP9	G-6
IC14	C-2	TP10	D-11
IC15	B-8	TP11	D-11
IC16	C-4	TP12	H-10
IC17	C-5	TP13	C-11
IC18	C-6	TP14	C-11
IC19	C-7	TP15	G-6
IC20	D-2	TP16	G-6
IC21	D-7	TP17	A-12
IC22	D-8	TP18	C-12
IC23	D-8		
IC24	C-11		
IC25	E-1	X1	D-12
IC26	E-2	X2	H-8
IC27	D-5		

SY-61/61A/61B/61C;
SYSTEM CONTROL
DUS-570;
FAN MOTOR ERROR DETECTORUC; S/N 18395 and higher
J; S/N 14008 and higher

DUS-570—COMPONENT SIDE—

1-644-751-11
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

	SY-61	SY-61A	SY-61B	SY-61C
BVW-60		○		
BVW-65		○		
BVW-70	○			
BVW-75	○			
BVW-95			○	
BVW-96				○



SY-64 ; SYSTEM CONTROL

SY-64 (1-622-578-14)

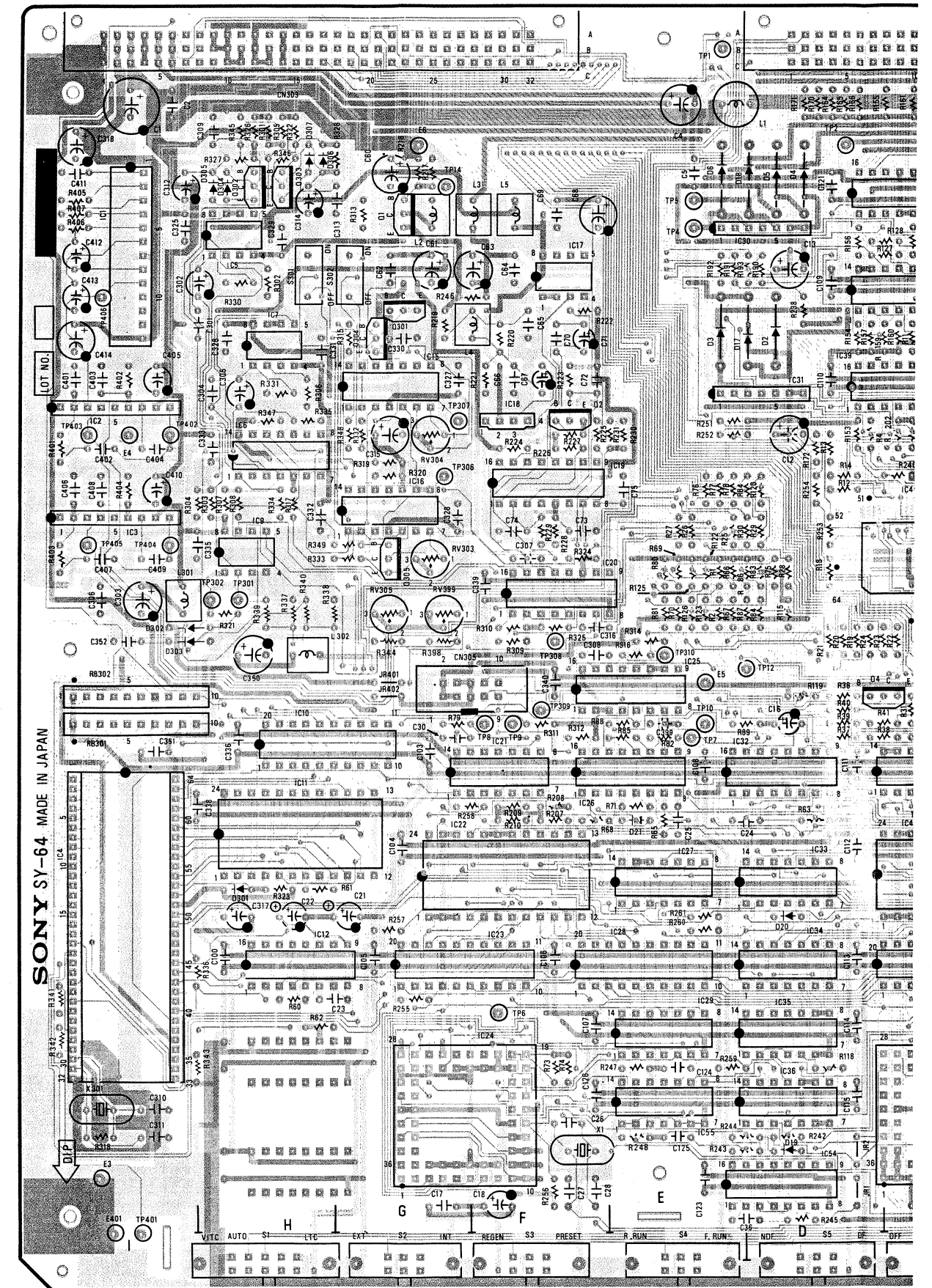
REF. No	TYPE	PIN NO.						
		UNREG +15V	UNREG +14V	+12V	+5V	GND	UNREG GND	-12V
IC 1	BX343			13		7		
IC 2	LA7205				8	5		
IC 3	LA7205				8	5		
IC 4	μ PD78312CW				64	32		
IC 5	TL082CP			8				4
IC 6	TC4016BPHB				14	7		
IC 7	TL082CP			8				4
IC 9	TLC548CP				8	4		
IC 10	SN74HC373P				20	10		
IC 11	SRM2016C10				24	12		
IC 12	MC14046BCP				16	8		11
IC 15	TL084CN			4				11
IC 16	TL084CN			4				
IC 17	TL082CP			8		4		
IC 18	AN608P			2		4		
IC 19	PA0009			4		6		10
IC 20	SN74LS123N				16	8		
IC 21	TC74HC04P				14	7		
IC 22	SRM2016C10				24	12		
IC 23	TC74HC244P				20	10		
IC 24	CX7907A				47.61	40.54		
IC 25	SN74LS123N				16	8		
IC 26	TC4050BP			1		8		
IC 27	TC74HC00P				14	7		
IC 28	TC74HC245P				20	10		
IC 29	MC74HC58N				14	7		
IC 30	TA7267P		7			4		
IC 31	TA7267P		7			4		
IC 32	TC4538BP				16	8		
IC 33	TC74HC08P				14	7		
IC 34	TC74HC32P				14	7		
IC 35	TC4001BP				14	7		
IC 36	μ PD4013BC	1.8			14	7	4.5.12.13	
IC 37	M54532P				14	7		
IC 38	TC74HC08P				1	8		
IC 39	TC74HC4050P				26.58	10.27.42.57		
IC 40	CXD1095Q				14	7		
IC 41	TC74HC08P				24	12		
IC 42	SRM2016C10				20	10		
IC 43	TC74HC240P				20	10		
IC 44	CX7913A				47.61	40.54		
IC 45	M54523P	9			26.58	10.27.42.57	8	
IC 46	CXD1095Q				26.58	10.27.42.57		
IC 47	CXD1095Q				14	7		
IC 48	TC74HC04P				24	12		
IC 49	SRM2016C10				20	10		
IC 50	TC74HC244P				20	10		
IC 51	CX7912A				47.61	40.54		
IC 52	TC74HC4050P				1	8		
IC 53	TC504013BP				14	7		
IC 54	TC74HC4538P				16	8		
IC 55	TC4071BP				14	7		

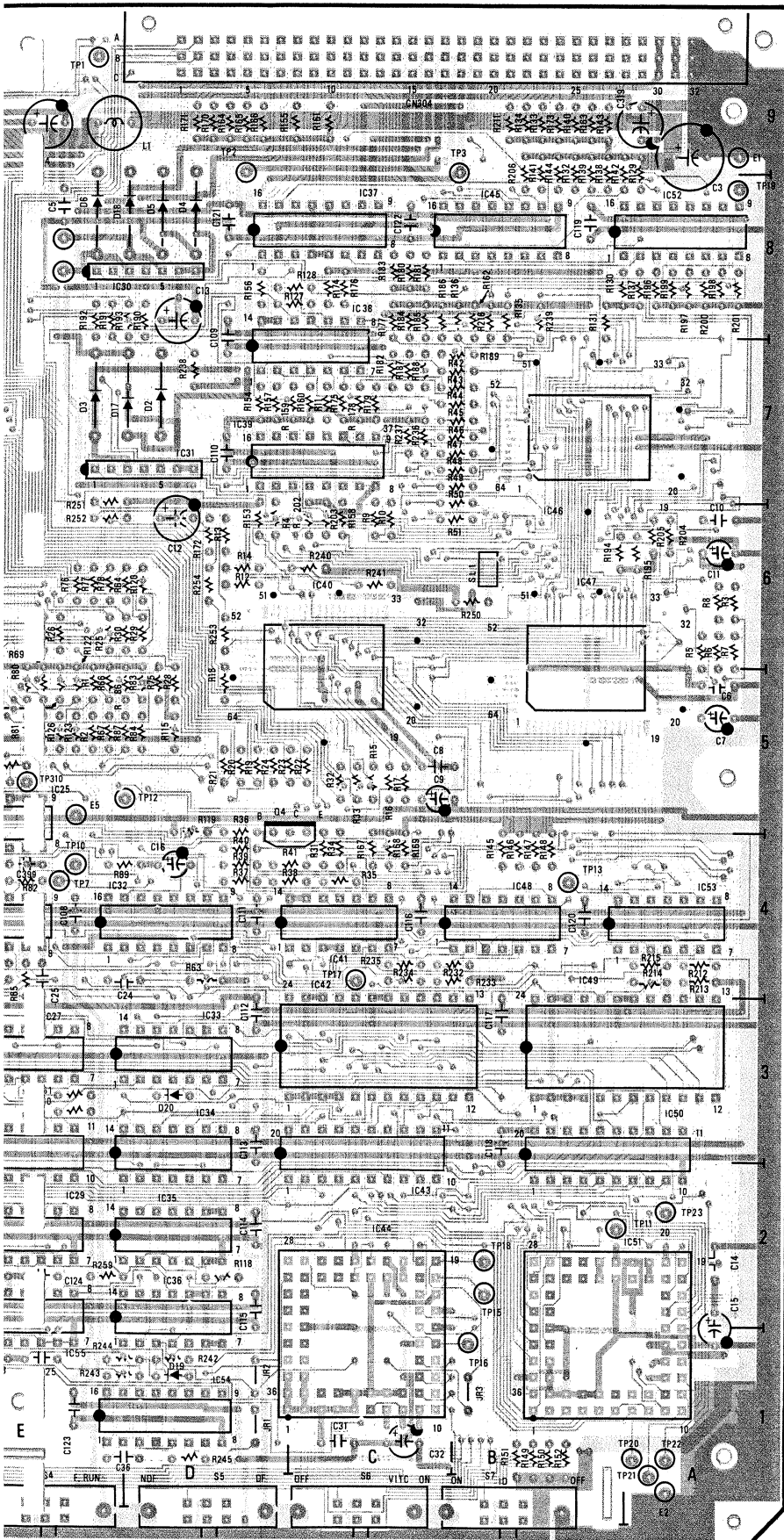
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC6 TC4016BP → TC4016BPHB	UC: S/N 13326 ~ J: S/N 11304 ~

SY-64 (1-622-578-14)

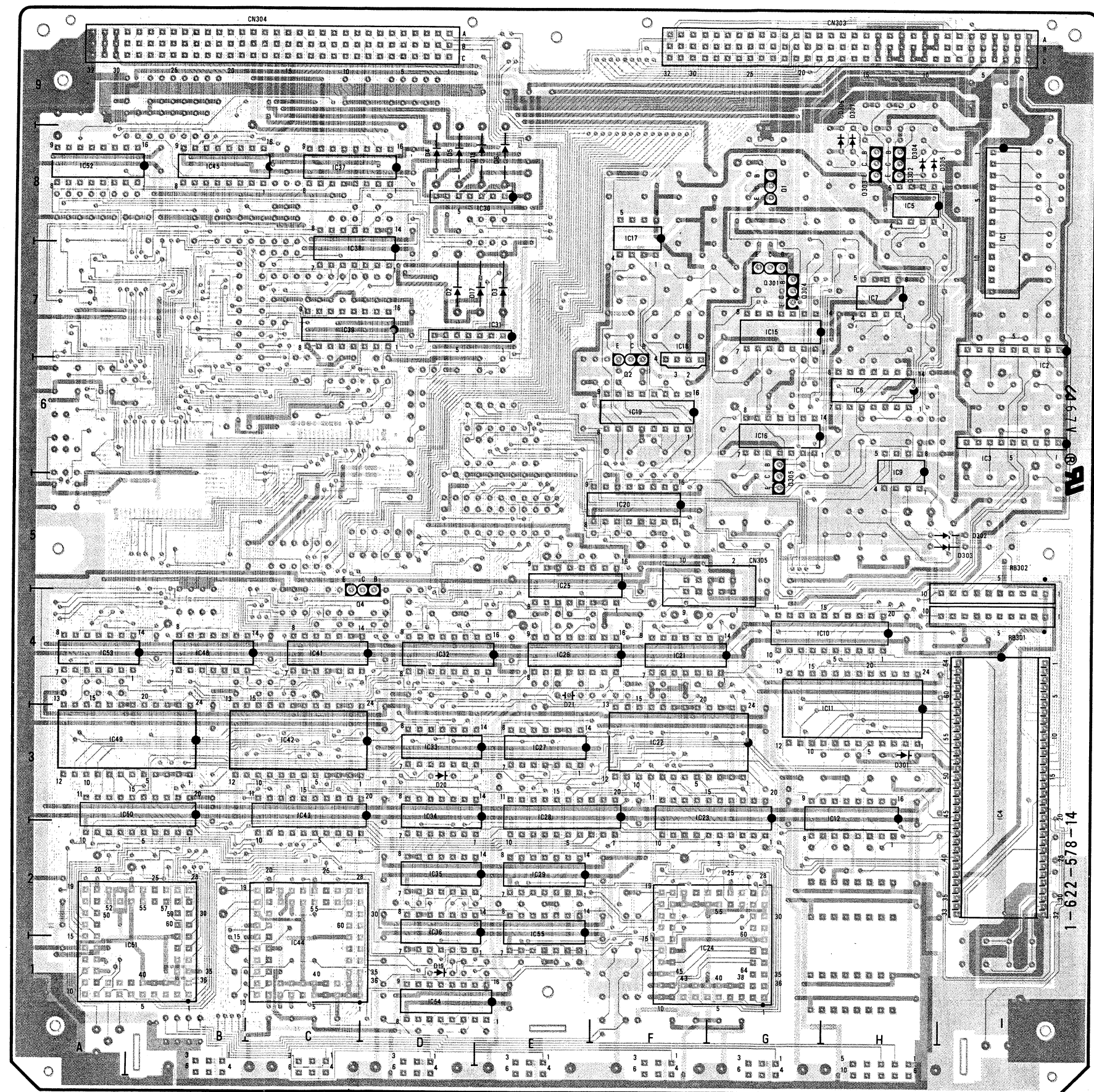
CN303	H-9	IC47	B-6	X1	F-1
CN304	C-9	IC48	B-4	X301	I-2
CN305	F-5	IC49	B-3		
		IC50	B-3		
		IC51	B-1		
D2	D-7	IC52	A-8		
D3	E-7	IC53	A-4		
D4	D-8	IC54	D-1		
D5	D-8	IC55	E-2		
D6	E-8				
D17	D-7	Q1	G-8		
D19	D-1	Q2	F-7		
D20	D-3	Q4	C-4		
D21	E-4	Q301	G-7		
D16	H-1	Q302	H-8		
D301	H-3	Q303	H-8		
D302	I-5	Q304	G-7		
D303	I-5	Q305	G-6		
D304	H-8				
D305	H-8	RV303	G-5		
D306	H-8	RV304	G-6		
D307	H-8	RV305	G-5		
		RV399	G-5		
E1	A-9	S1	H-1		
E2	A-1	S2	G-1		
E3	I-1	S3	F-1		
E4	I-6	S4	E-1		
E5	E-5	S5	D-1		
E6	G-8	S6	C-1		
E401	I-1	S7	B-1		
		S301	H-8		
		S302	G-8		
IC1	I-8	SL1	B-6		
IC2	I-7				
IC3	I-6	TP1	E-9		
IC4	I-3	TP2	D-9		
IC5	H-8	TP3	B-9		
IC6	H-6	TP4	E-8		
IC7	H-7	TP5	E-8		
IC9	H-6	TP6	F-2		
IC10	H-4	TP7	E-4		
IC11	H-4	TP8	F-4		
IC12	H-3	TP9	F-4		
IC15	G-7	TP10	E-4		
IC16	G-6	TP11	B-2		
IC17	F-8	TP12	D-5		
IC18	F-7	TP13	B-4		
IC19	F-6	TP14	G-8		
IC20	F-5	TP15	B-2		
IC21	F-4	TP16	B-1		
IC22	F-3	TP17	C-4		
IC23	F-3	TP18	B-2		
IC24	F-2	TP19	A-8		
IC25	E-5	TP20	A-1		
IC26	E-4	TP21	A-1		
IC27	E-3	TP22	A-1		
IC28	E-3	TP23	A-2		
IC29	E-2	TP301	H-5		
IC30	D-8	TP302	H-5		
IC31	D-7	TP306	G-6		
IC32	D-4	TP307	G-7		
IC33	D-3	TP308	F-5		
IC34	D-3	TP309	F-4		
IC35	D-2	TP310	E-5		
IC36	D-2	TP401	I-1		
IC37	C-8	TP402	I-6		
IC38	C-7	TP403	I-6		
IC39	C-7	TP404	I-6		
IC40	C-6	TP405	I-6		
IC41	C-4	TP406	I-7		
IC42	C-3				
IC43	C-3				
IC44	C-2				
IC45	B-8				
IC46	B-7				





SY-64 - COMPONENT SIDE -
 1-622-578-14
 BVW-70
 BVW-75
 BVW-96

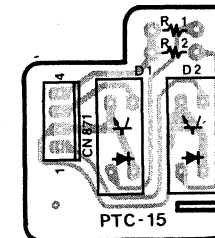
17-189



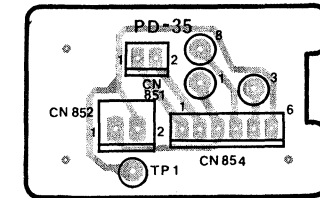
SY-64 - SOLDERING SIDE -
 1-622-578-14
 BVW-70
 BVW-75
 BVW-96

17-190

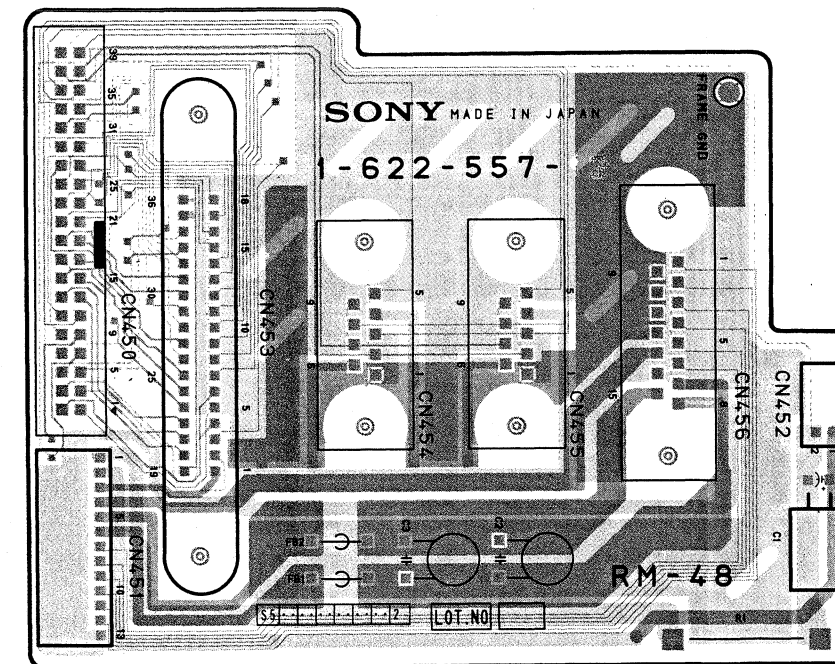
PD-35; PINCH/CLEANING SOLENOID
 PTC-15; THREAD/UNTHREAD END SENSOR
 RM-48; REMOTE CONNECTOR
 CL-14; CASSETTE-UP COMPARTMENT
 CL-24; CASSETTE-UP COMPARTMENT LED
 PC-33; CASSETTE DOWN DETECTOR
 PC-41; CASSETTE IN DETECTOR
 PC-47; LARGE/SMALL CASSETTE DETECTOR
 CCM-2; UP/DOWN MOTOR
 HC-11; HOURS METER



PTC-15 -COMPONENT SIDE-
 1-622-597-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



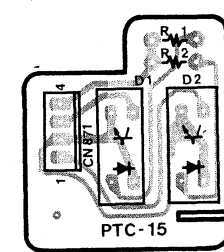
PD-35 -COMPONENT SIDE-
 1-622-596-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



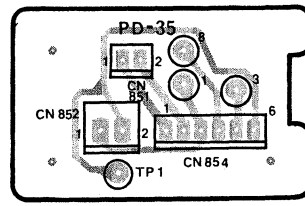
RM-48 -COMPONENT SIDE-
 1-622-557-12, 13
 BVW-60 BVW-70
 BVW-65 BVW-75

PD-35; PINCH/CLEANING SOLENOID
 PTC-15; THREAD/UNTHREAD END SENSOR
 RM-48; REMOTE CONNECTOR
 CL-14; CASSETTE-UP COMPARTMENT
 CL-24; CASSETTE-UP COMPARTMENT LED
 PC-33; CASSETTE DOWN DETECTOR
 PC-41; CASSETTE IN DETECTOR
 PC-47; LARGE/SMALL CASSETTE DETECTOR
 CCM-2; UP/DOWN MOTOR
 HC-11; HOURS METER

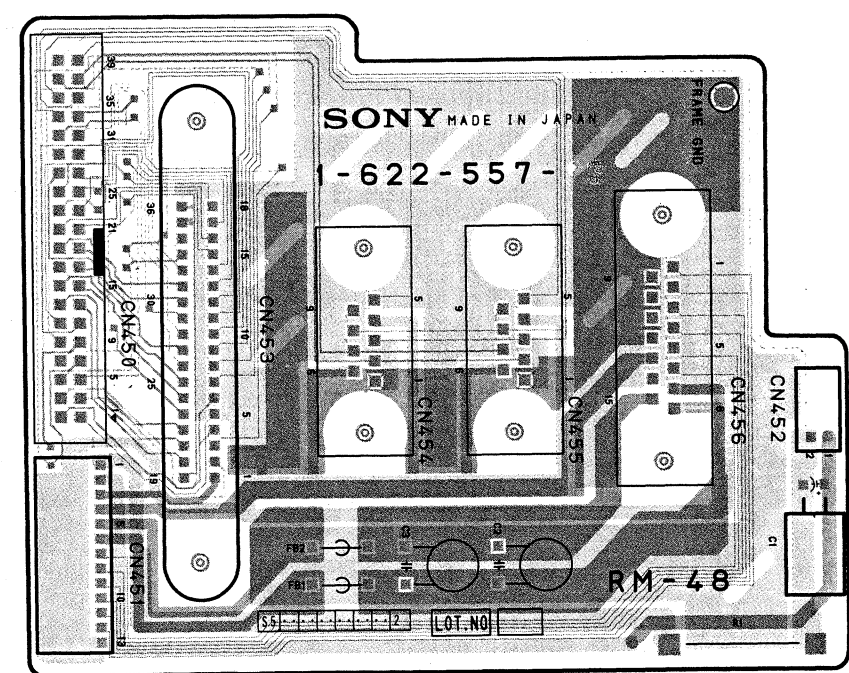
UC; S/N 15552 and higher
 J; S/N 12319 and higher



PTC-15 —COMPONENT SIDE—
 1-622-597-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



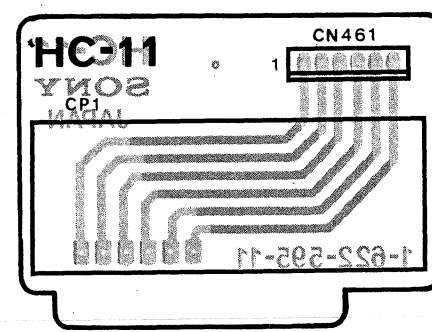
PD-35 —COMPONENT SIDE—
 1-622-596-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



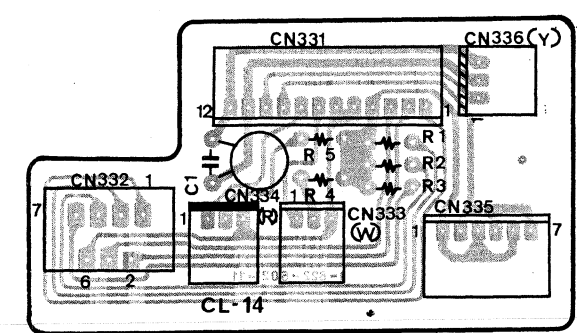
RM-48 —COMPONENT SIDE—
 1-622-557-12, 13
 BVW-60 BVW-70
 BVW-65 BVW-75



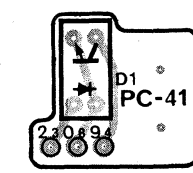
CL-24 —COMPONENT SIDE—
 1-635-029-11
 BVW-60 BVW-75
 BVW-65 BVW-95
 BVW-70 BVW-96



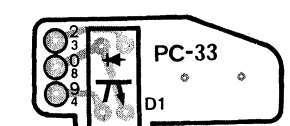
HC-11 —COMPONENT SIDE—
 1-622-595-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



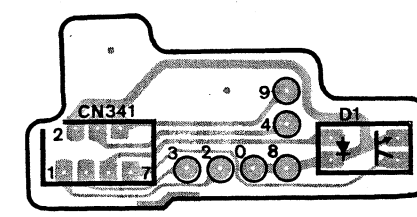
CL-14 —COMPONENT SIDE—
 1-622-602-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



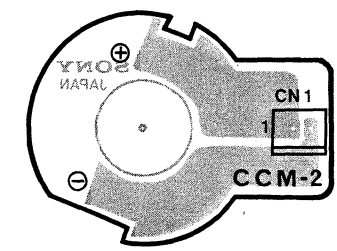
PC-41 —COMPONENT SIDE—
 1-623-267-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



PC-33 —COMPONENT SIDE—
 1-622-604-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



PC-47 —COMPONENT SIDE—
 1-628-786-11
 BVW-60 BVW-75
 BVW-65
 BVW-70



CCM-2 —COMPONENT SIDE—
 1-623-198-11
 BVW-60 BVW-75
 BVW-65
 BVW-70

KY-96/96A (1-622-553-12)

REF. NO	TYPE	PIN NO.		
		+9V	+5V	GND
IC 1	M5236L	*	*	2
IC 2	NJM78L05A	1		3
IC 3	MB88201H-539N		16	8
IC 4	M50747H-601SP			27
IC 5	M54516P	*	*	7
IC 6	M54516P	*	*	7
IC 7	M54516P	*	*	7
IC 8	NJM78L05A	*	*	3

* REFER TO SCHEMATIC

KY-96/96A (1-622-553-12)

CN1	G-1	D48	F-1	Q34	E-3	S1	E-3
CN2	J-1	D49	G-2	Q35	H-2	S2	H-3
CN3	I-1	D50	G-2	Q36	H-3	S3	G-3
CN4	C-2	D51	A-2	Q37	G-2	S4	F-3
CN5	H-2	D52	H-2	Q38	G-3	S5	G-3
CN6	F-2	D53	I-2	Q39	F-3	S6	I-3
CN7	G-1	D55	H-2	Q40	F-3	S7	E-2
		D56	I-2	Q41	G-2	S8	G-2
D1	F-1	D57	K-1	Q42	G-3	S9	G-2
D2	D-1	D58	J-1	Q43	H-2	S10	A-2
D3	D-1	D59	J-1	Q44	I-3	S11	A-1
D4	I-1			Q45	E-2	S12	B-1
D5	I-1	E1	G-2	Q46	E-2	S13	B-1
D6	I-1			Q47	G-1	S14	A-1
D7	I-1	IC1	H-1	Q48	G-2	S15	A-1
D8	I-1	IC2	H-2	Q49	G-2	S16	F-2
D9	I-1	IC3	F-2	Q50	G-2	S17	A-3
D10	I-1	IC4	E-2	Q51	A-1	S18	A-3
D11	E-3	IC5	I-2	Q52	A-1	S19	B-3
D12	H-3	IC6	H-3	Q53	B-1	S20	H-1
D13	G-3	IC7	B-2	Q54	B-1	S21	C-3
D14	F-3	IC8	H-2	Q55	B-1	S22	D-3
D15	G-3			Q56	B-1	S23	C-2
D16	I-3	Q1	H-1	Q57	B-1	S24	D-2
D17	J-1	Q2	C-1	Q58	A-1	S25	B-2
D18	F-2	Q3	D-1	Q59	A-1	S26	K-1
D19	G-1	Q4	I-1	Q60	A-1	S27	F-1
D20	G-2	Q5	I-1	Q61	F-1	S28	E-1
D21	A-2	Q6	I-1	Q62	F-2		
D22	A-1	Q7	I-1	Q63	A-2	TP1	B-2
D23	B-1	Q8	I-1	Q64	A-3	TP2	D-3
D24	B-1	Q9	I-1	Q65	B-3	TP3	I-2
D25	B-1	Q10	I-1	Q66	A-3	TP4	B-2
D26	A-1	Q12	A-2	Q67	B-3	TP5	D-1
D27	F-2	Q13	A-2	Q68	B-3	TP6	D-1
D28	A-2	Q14	A-2	Q69	A-2		
D29	A-3	Q15	A-2	Q70	A-2	X1	E-1
D30	B-3	Q16	A-2	Q71	C-3	X2	F-2
D31	C-2	Q17	A-2	Q72	C-3		
D32	C-2	Q18	B-2	Q73	D-3		
D33	J-1	Q19	B-2	Q74	D-3		
D34	J-1	Q20	B-2	Q75	C-1		
D35	H-1	Q21	B-2	Q76	C-1		
D36	C-3	Q22	B-2	Q77	D-2		
D37	C-3	Q23	B-2	Q78	D-2		
D38	C-2	Q24	C-2	Q79	B-2		
D39	C-2	Q25	B-2	Q80	B-2		
D40	B-2	Q26	B-2	Q81	E-2		
D41	C-2	Q27	B-2	Q82	F-2		
D42	K-1	Q28	B-2	Q83	G-2		
D43	E-1	Q29	B-2	Q84	G-3		
D44	E-1	Q30	B-2				
D45	F-1	Q31	B-2				
D46	F-1	Q32	C-2				
D47	G-1	Q33	E-2				

KY-96/96A; KEYBOARD

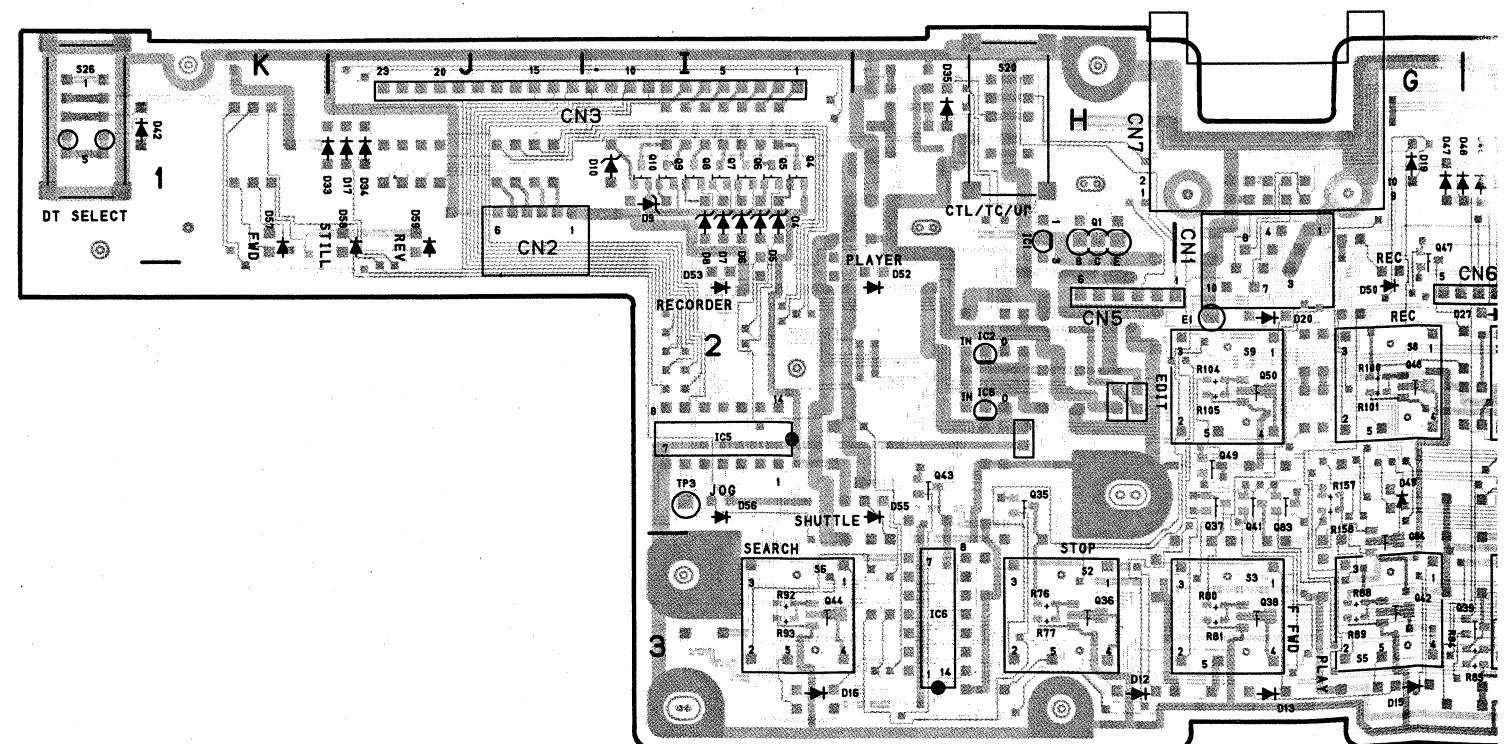
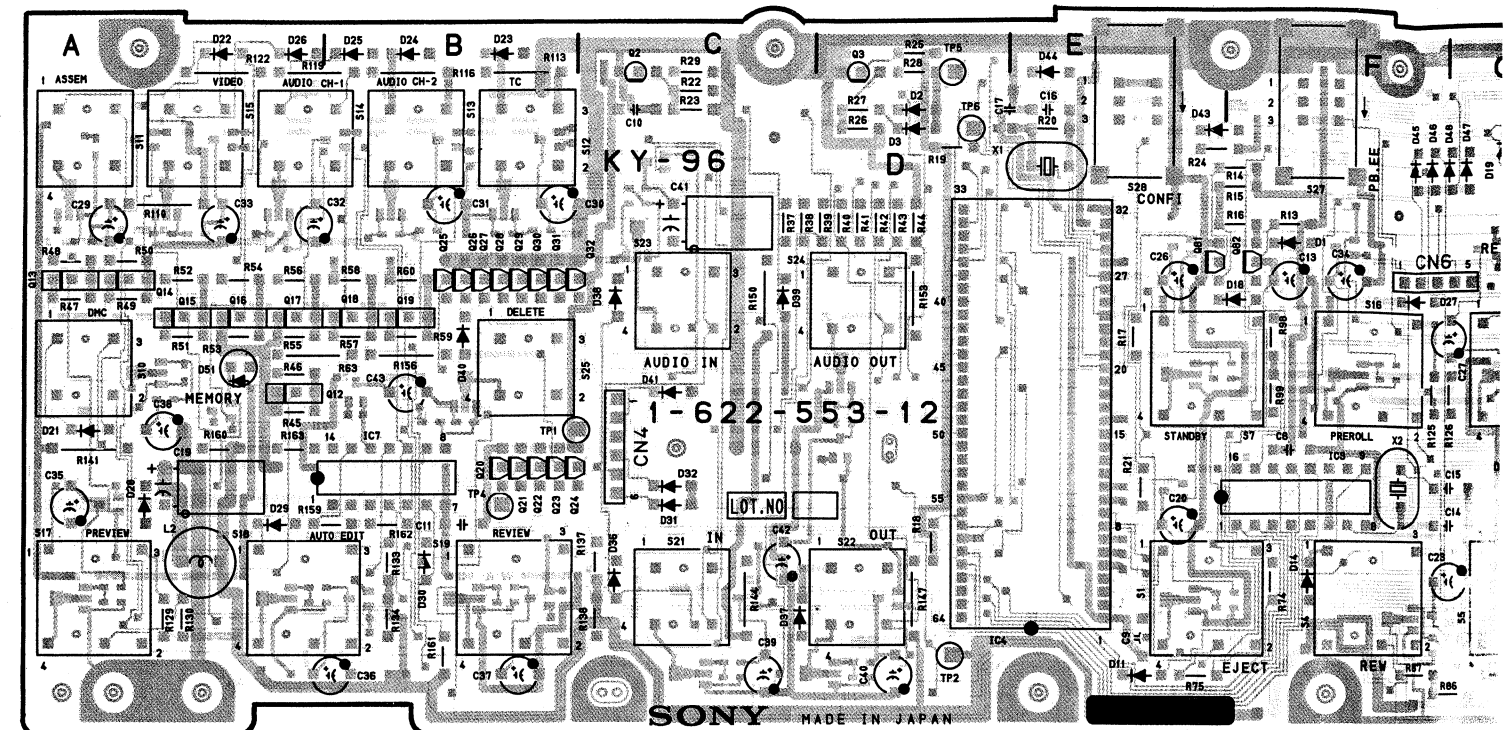
KY-107; KEYBOARD

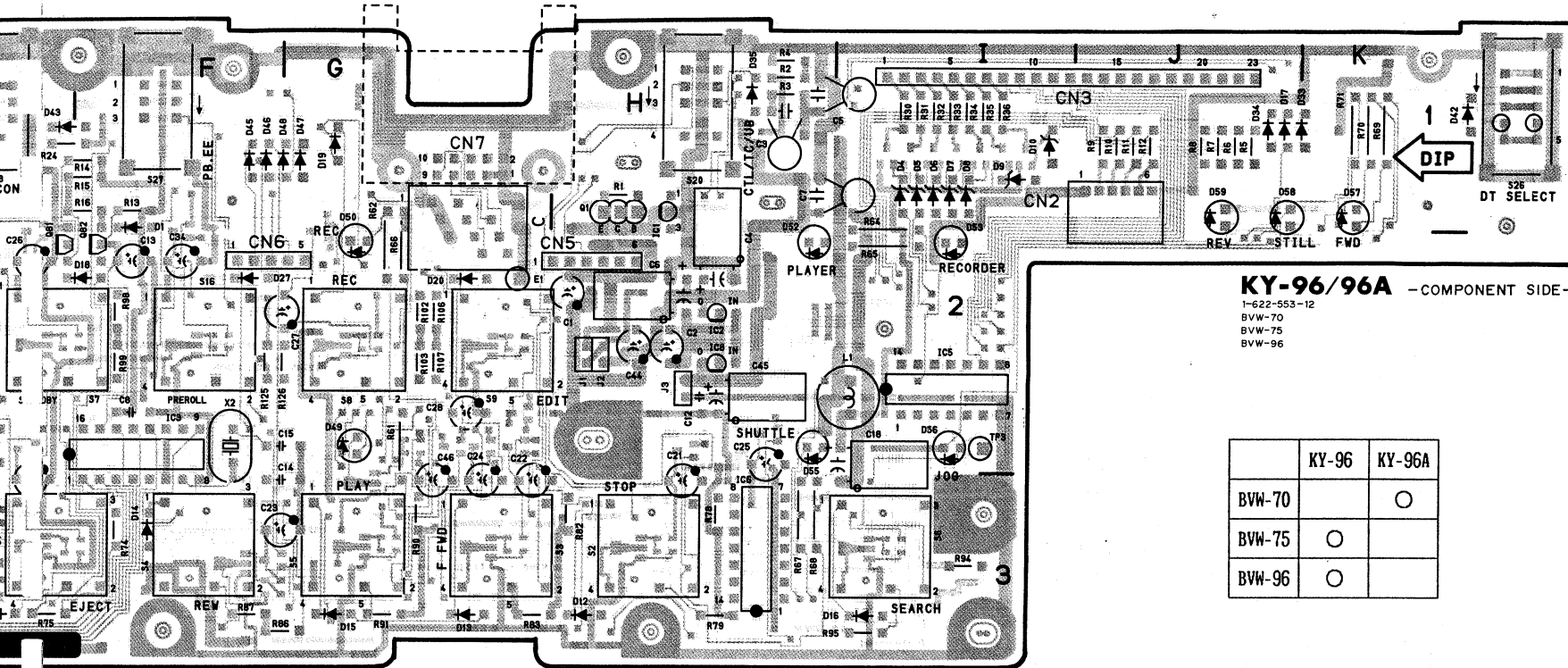
KY-108; KEYBOARD

PTC-32; SEARCH DIAL

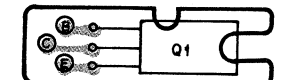
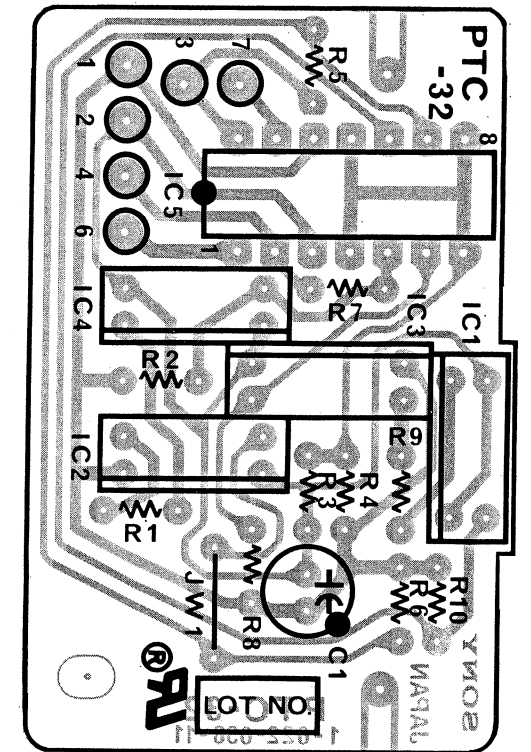
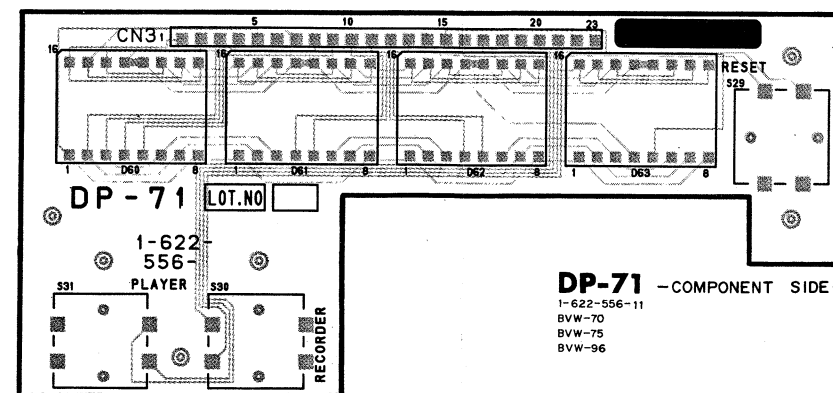
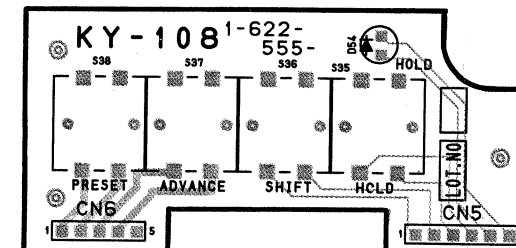
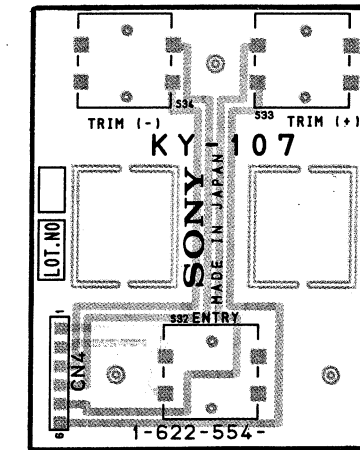
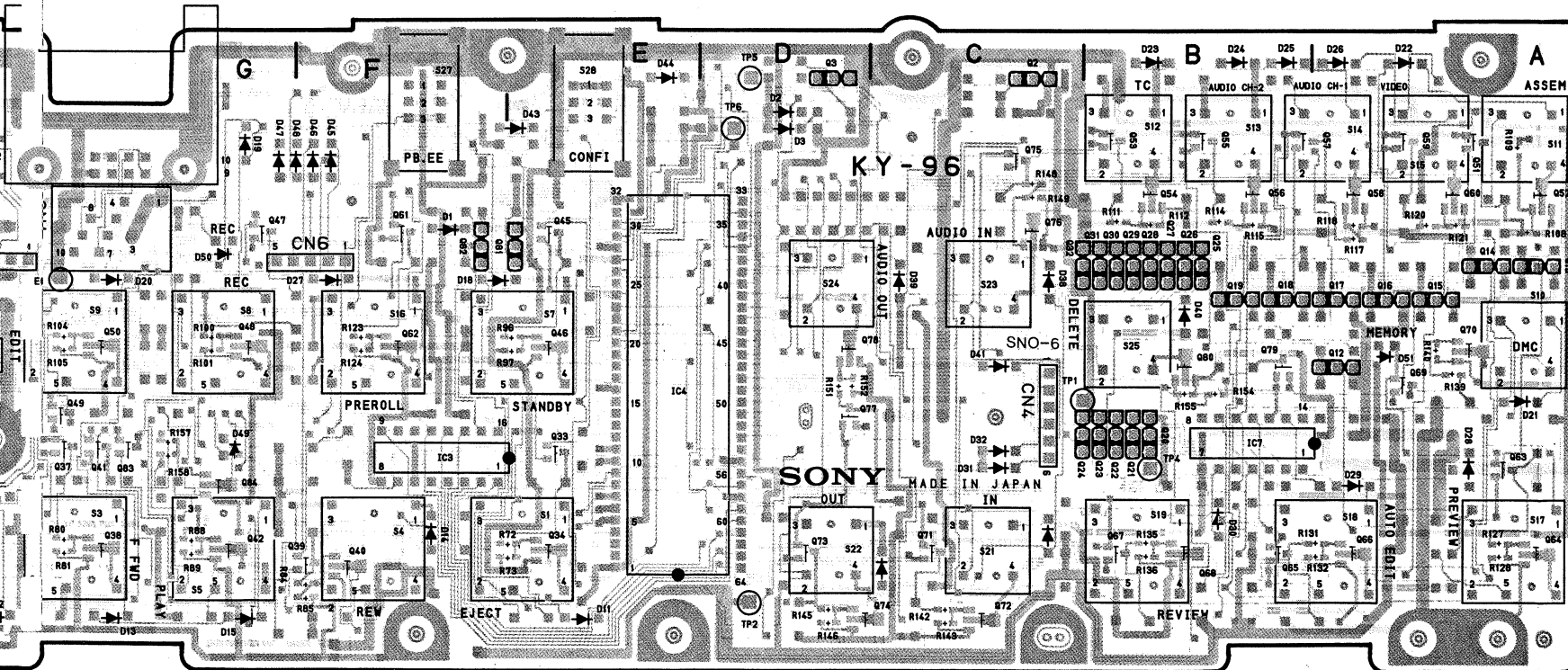
DP-71; TIME COUNTER DISPLAY

PT-9; POWER TRANSISTOR





	KY-96	KY-96A
BVW-70		○
BVW-75	○	
BVW-96	○	



TC-40 ; LTC REC/PB AMPLIFIER, ERASE DRIVER

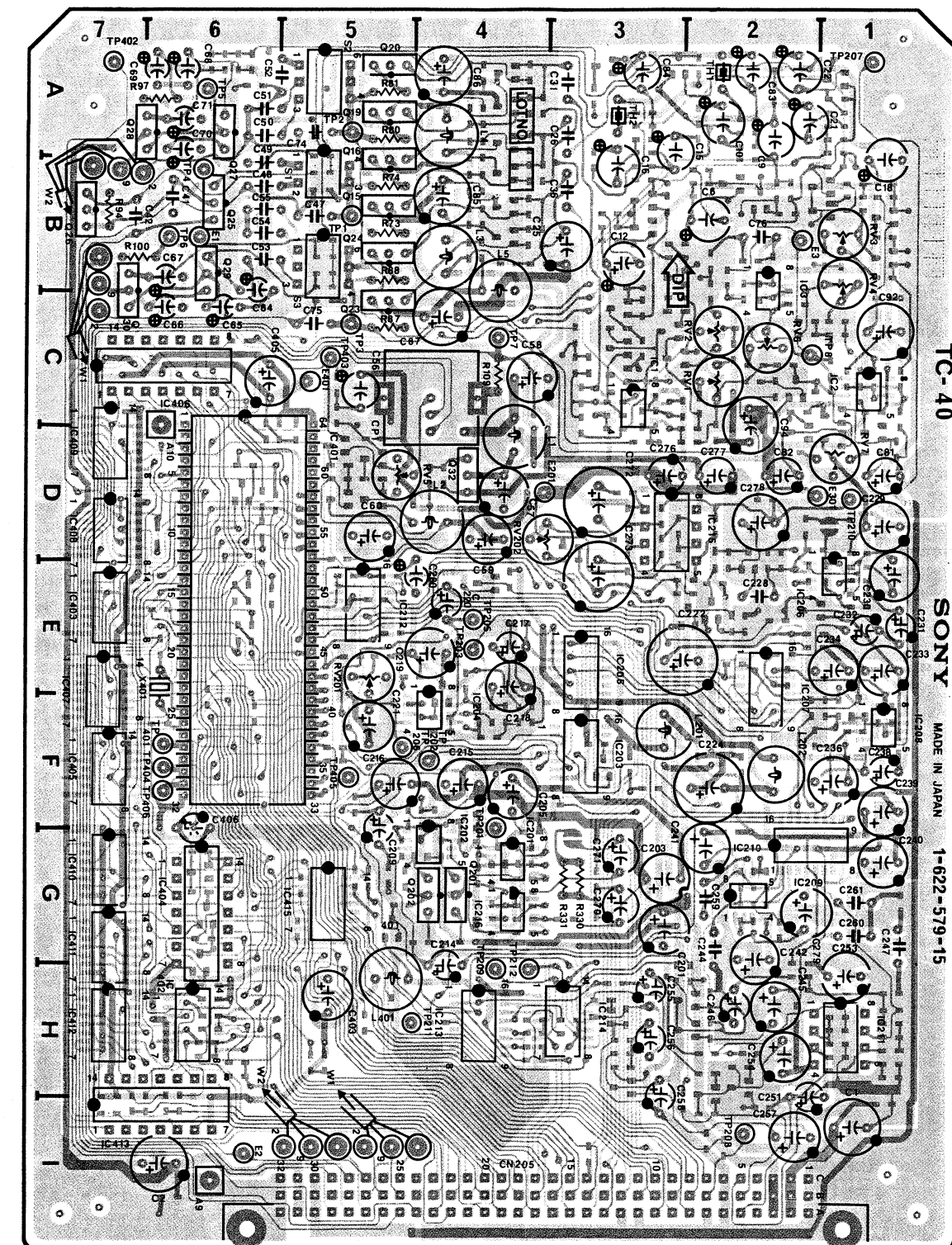
TC-40 (1-622-579-15)

REF. No.	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	NJM5532M	8				4
IC 2	NJM5532M	8				4
IC 3	NJM5532M	8				4
IC 201	NJM4558M	8				4
IC 202	NJM4558M	8				4
IC 203	TC4053BFB		16	8	7	
IC 204	NJM2903M		8	4		
IC 205	TC4052BF		16	8	7	
IC 206	NJM082M	8		4		
IC 207	TC4052BF		16	8	7	
IC 208	NJM4558M		8		4	
IC 209	TC4053BFB		16	8	7	
IC 210	NJM4558M		8		4	
IC 211	NJM4562D-D		8		4	
IC 212	TC4538BF		16	8		
IC 213	TC4028BF		16	8		
IC 214	TC4075BF		16	8		
IC 215	NJM4556D	8				4
IC 216	NJM4558M	8				4
IC 401	MB88525-190M		64	32		
IC 402	HD14584BFP		14	7		
IC 403	TC4069UBF		14	7		
IC 404	SN74LS06N		14	7		
IC 405	TC4069UBF		14	7		
IC 406	M54529AP		14	7		
IC 407	TC4011BF		*	7		
IC 408	TC4011BF		*	7		
IC 409	TC4011BF		*	7		
IC 410	TC504013BF		14	7		
IC 411	TC504013BF		14	7		
IC 412	TC504013BF		14	7		
IC 413	SN74LS06N		14	7		
IC 415	TC4069UBF		14	7		

* REFER TO SCHEMATIC

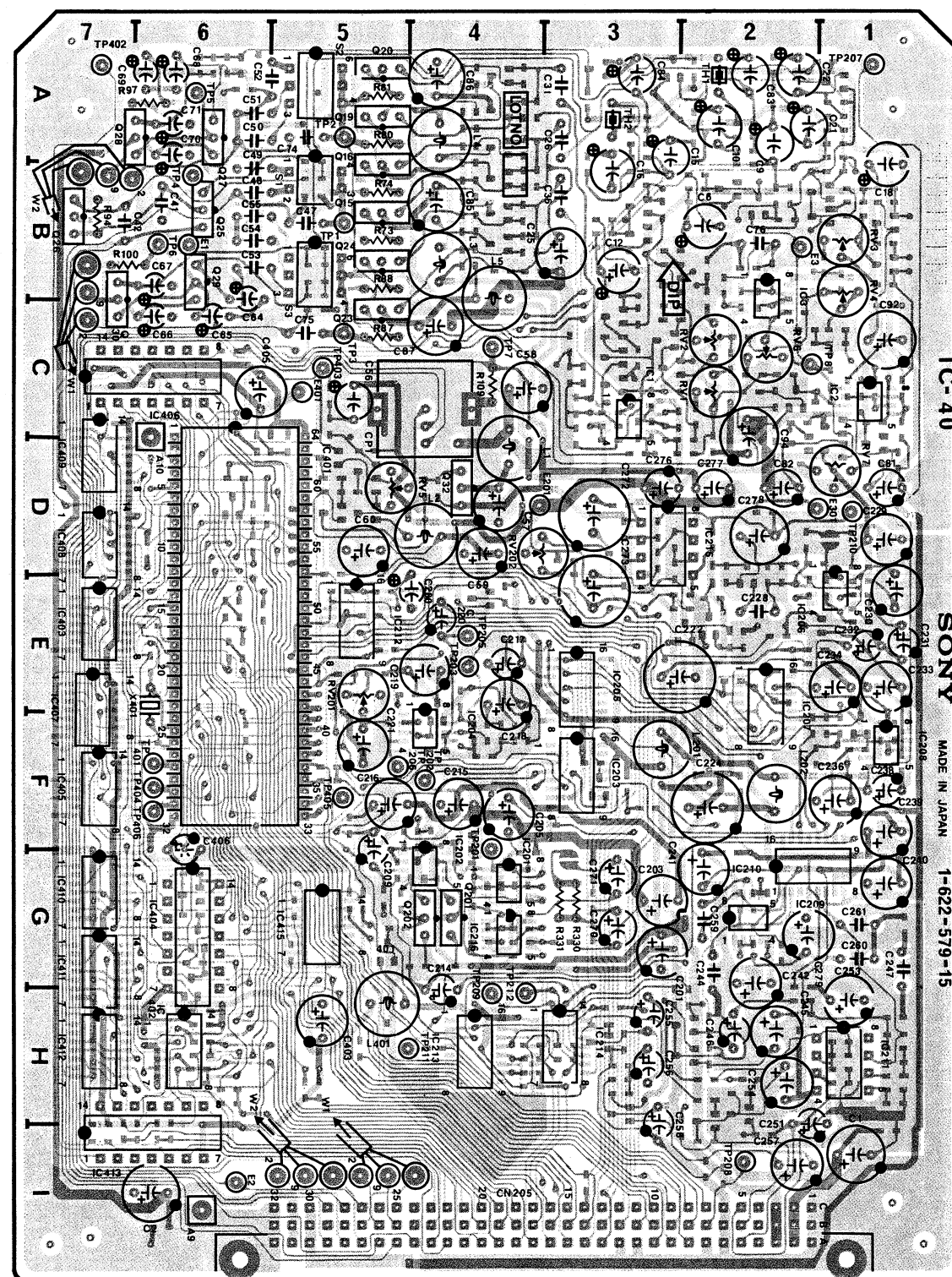
TC-40 (1-622-579-15)

CN205	I-4	IC207	E-2	Q9	A-1	Q202	G-3	TH1	A-2
		IC208	E-1	Q10	B-1	Q203	H-3	TH2	A-3
CP1	C-4	IC209	F-2	Q11	B-1	Q204	H-3		
		IC210	G-2	Q12	A-2	Q205	G-5	TP1	B-5
D1	B-3	IC211	H-1	Q13	B-4	Q206	F-3	TP2	A-5
D2	B-2	IC212	E-5	Q14	B-4	Q207	H-2	TP3	C-5
D3	B-1	IC213	H-4	Q15	B-5	Q208	H-2	TP4	B-6
D4	D-1	IC214	H-3	Q16	A-5	Q209	H-2	TP5	A-6
D5	D-2	IC215	D-3	Q17	A-4	Q210	H-2	TP6	B-6
D201	G-4	IC216	G-4	Q18	A-4	Q211	E-2	TP7	C-4
D203	F-4	IC401	D-5	Q19	A-5	Q212	C-3	TP8	C-2
D204	G-4	IC402	H-6	Q20	A-5	Q213	C-2	TP201	F-4
D206	E-4	IC403	E-7	Q21	B-4	Q214	E-4	TP202	F-4
D207	E-1	IC404	G-6	Q22	B-4	Q215	E-2	TP203	E-4
D401	D-6	IC405	F-7	Q23	B-5	Q401	G-5	TP205	D-4
D403	G-5	IC406	C-6	Q24	B-5	Q402	G-5	TP206	F-5
		IC407	E-7	Q25	B-6			TP207	A-1
E1	B-6	IC408	D-7	Q26	B-7	RV1	C-2	TP208	I-2
E2	I-6	IC409	D-7	Q27	A-6	RV2	C-2	TP209	H-4
E3	B-2	IC410	G-7	Q28	A-7	RV3	A-1	TP210	D-1
E201	D-3	IC411	G-7	Q29	B-6	RV4	B-1	TP211	H-4
E301	C-3	IC412	H-7	Q30	B-7	RV5	D-5	TP212	H-4
E401	C-5	IC413	H-6	Q31	D-5	RV6	C-2	TP401	F-6
		IC415	G-5	Q32	C-4	RV7	D-1	TP402	A-7
IC1	C-3			Q33	D-5	RV201	E-5	TP403	C-5
IC2	B-1	Q1	B-3	Q34	D-5	RV202	D-4	TP404	F-6
IC3	B-2	Q2	B-3	Q35	D-1			TP405	F-5
IC201	G-4	Q3	C-3	Q36	D-1	S1	A-5	TP406	F-6
IC202	G-4	Q4	A-3	Q37	C-2	S2	A-5		
IC203	F-3	Q5	B-3	Q38	C-5	S3	B-5	X401	E-6
IC204	F-4	Q6	C-3	Q39	C-2				
IC205	E-3	Q7	C-3	Q40	C-3	SL201	G-3		
IC206	C-2	Q8	A-3	Q201	G-3	SL202	D-1		

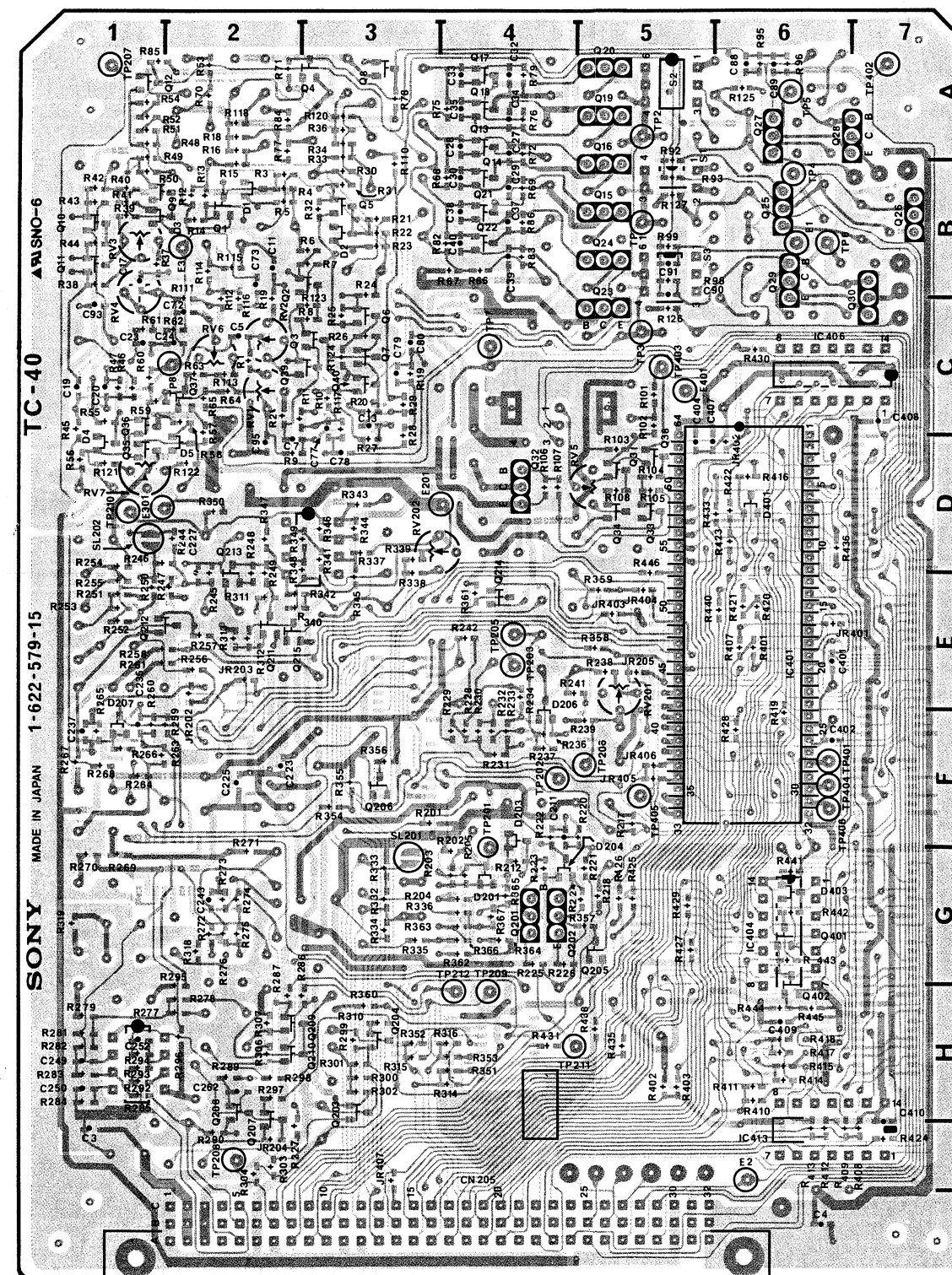


TC-40 -COMPONENT SIDE-
1-622-579-15
BVW-70
BVW-75
BVW-96

TC-40; LTC REC/PB AMPLIFIER, ERASE DRIVER

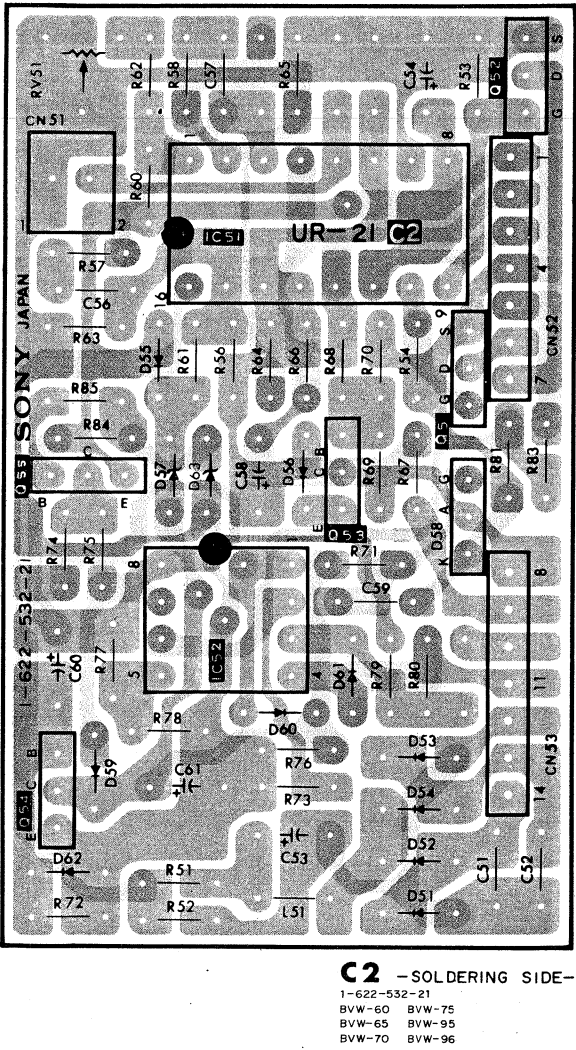
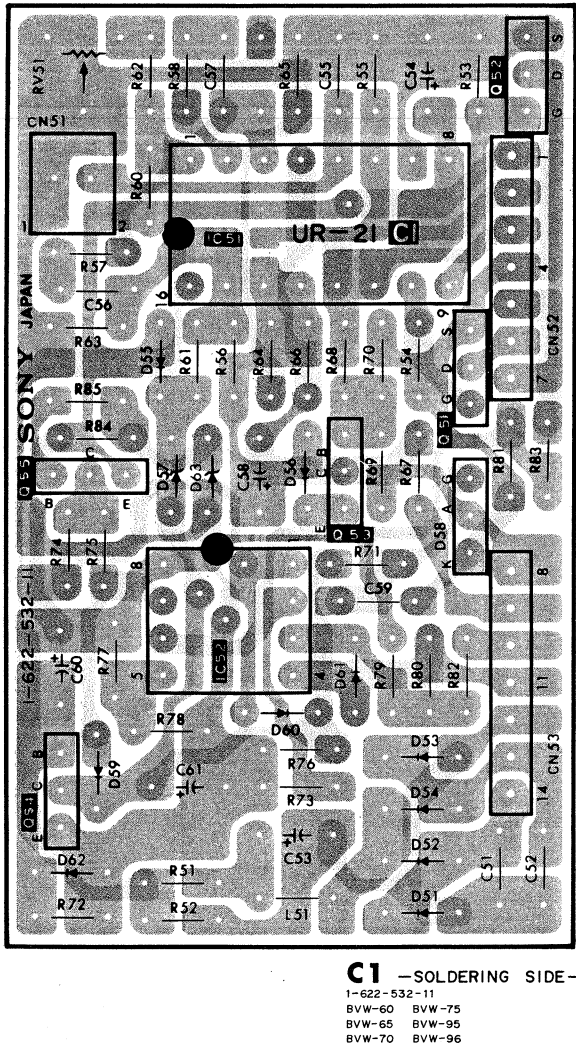
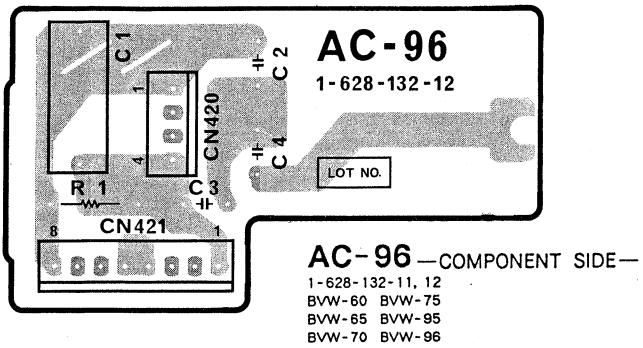


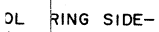
TC-40 -COMPONENT SIDE-
1-622-579-15
BVW-70
BVW-75
BVW-96



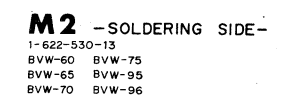
TC-40 -SOLDERING SIDE-
1-622-579-15
BVW-70
BVW-75
BVW-96

AC-96; RELAY BOARD OF AC INLET
C1; SWITCHING REGULATOR
C2; SWITCHING REGULATOR
M1; SWITCHING REGULATOR
M2; SWITCHING REGULATOR

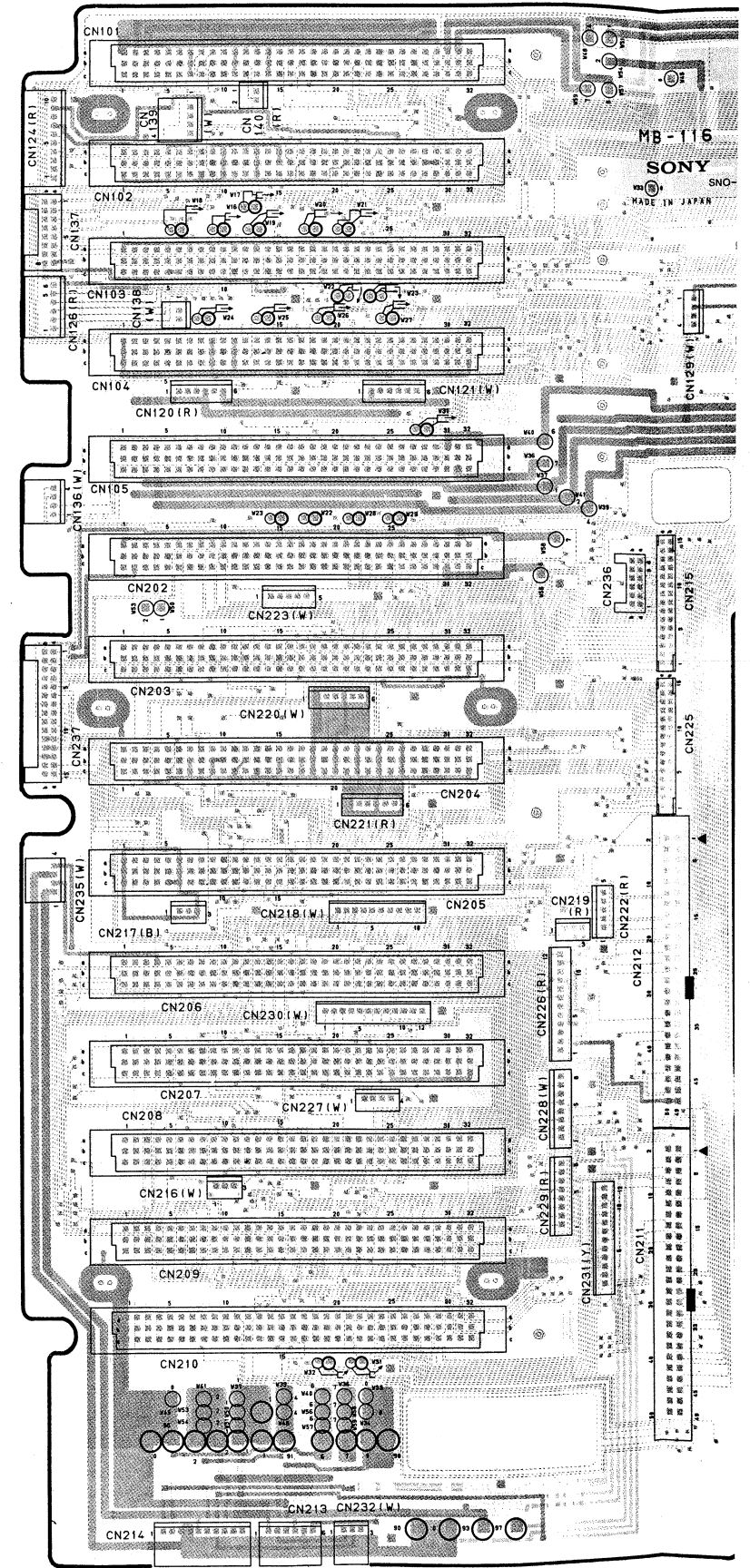




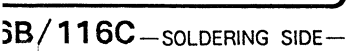
W-75
W-95
W-96



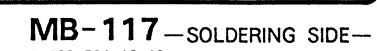
MB-116/116A/116B/116C; MOTHER BOARD
MB-117; MOTHER BOARD



MB-116/116A/116B/116C—SOLDERING SIDE—
1-622-563-12, 13
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96



	MB-116	MB-116A	MB-116B	MB-116C
BVW-60				○
BVW-65			○	
BVW-70		○		
BVW-75	○			
BVW-95			○	
BVW-96	○			



1-622-564-12, 13
BVW-60 BVW-70
BVW-65 BVW-75
BVW-95 BVW-96

SECTION 18

SEMICONDUCTOR ELECTRODES

ここに記載されているIC、トランジスタ、ダイオードは、それぞれの機能を等価的に表わしたものです。したがって互換性を表わすものではありません。(互換性のない型名が併記されている事もあります。)部品の交換をする時は、SPARE PARTSの章を参照して下さい。

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

IC	PAGE	IC	PAGE	IC	PAGE
74F04PC.....	18-4	CXA1041M.....	18-19	MC74HC58N.....	18-31
74F74PC.....	18-4	CXD1023AQ.....	18-20	MSL917RS.....	18-32
AM26LS30PC.....	18-4	CXD1024Q.....	18-21	MSM5204ARS.....	18-32
AN3920K.....	18-4	CXD1045Q.....	18-22	NE5532P.....	18-32
AN3922NK.....	18-5	CXD1095Q.....	18-23	NJM082M.....	18-32
AN607P.....	18-5	CXD1131Q.....	18-24	NJM1496M.....	18-32
AN608P.....	18-5	CXD1216M.....	18-57	NJM2041MD.....	18-32
BU18430A.....	18-5	CXK1202S.....	18-24	NJM2043MD.....	18-32
BU18440A.....	18-6	CXL5001M.....	18-24	NJM2903D.....	18-33
BX1098.....	18-6	HA12411.....	18-25	NJM2903M.....	18-33
BX1152.....	18-6	HD14046BP.....	18-25	NJM4556D.....	18-33
BX1343A.....	18-6	HD14538BFP.....	18-25	NJM4558D.....	18-33
BX343.....	18-6	HD14557BFP.....	18-55	NJM4558D-FA.....	18-33
BX381.....	18-54	HD14584BFP.....	18-25	NJM4558M.....	18-33
BX3914.....	18-7	M50747-601SP.....	18-26	NJM4560DD.....	18-33
BX3915A.....	18-7	M51958BL.....	18-26	NJM4560M.....	18-33
CF77074NT.....	18-7	M5215L.....	18-26	NJM4562D-D.....	18-33
CX20061.....	18-7	M5236L.....	18-26	NJM5532M.....	18-33
CX20099.....	18-8	M54516P.....	18-26	NJM78??A.....	18-33
CX20158.....	18-8	M54523P.....	18-27	NJM78L??A.....	18-33
CX20162.....	18-8	M54529AP.....	18-27	NJM78M??A.....	18-34
CX22013.....	18-8	M54532P.....	18-27	NJM79L??A.....	18-34
CX22017.....	18-8	MB4002PF.....	18-27	NJM79M??A.....	18-34
CX23028.....	18-9	MB40778P.....	18-27	PA0009.....	18-34
CX23065.....	18-9	MB88201H-539N.....	18-27	S-802??.....	18-34
CX23084.....	18-10	MB88303.....	18-28	S-805??.....	18-34
CX770.....	18-10	MBM2212-20P.....	18-30	SM6430C.....	18-35
CX7907A.....	18-11	MBM2764-25.....	18-30	SN16913P.....	18-35
CX7912A.....	18-13	MBM27C256-25.....	18-30	SN74HC193NS.....	18-35
CX7913A.....	18-15	MC10198L.....	18-31	SN74HC245NS.....	18-35
CX7930A.....	18-54	MC10H113M.....	18-31	SN74HC368NS.....	18-35
CX7993A.....	18-17	MC10H116M.....	18-31	SN74HC373NS.....	18-36
CX7998.....	18-18	MC10H124M.....	18-31	SN74HC4024NS.....	18-36
CX877.....	18-18	MC10H125M.....	18-31	SN74HC4040NS.....	18-36
CXA1020P.....	18-18	MC14046BCP.....	18-25	SN74LS00NS.....	18-36
CXA1039M.....	18-19	MC14538BCP.....	18-25	SN74LS04NS.....	18-4
CXA1040M.....	18-19	MC34051P.....	18-31	SN74LS06NS.....	18-36
		MC74HC11F.....	18-31		

SEMICONDUCTOR INDEX

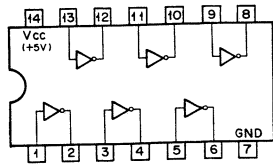
IC	PAGE	IC	PAGE	IC	PAGE
SN74LS06NS.....	18-36	TC74HC00F.....	18-42	uPC1663G.....	18-48
SN74LS11NS.....	18-36	TC74HC00P.....	18-42	uPC311G2.....	18-48
SN74LS123N.....	18-37	TC74HC04F.....	18-43	uPC319G2.....	18-48
SN74LS123NS.....	18-37	TC74HC04P.....	18-43	uPC324C.....	18-48
SN74LS163ANS.....	18-37	TC74HC08F.....	18-43	uPC339G2.....	18-48
SN74LS164NS.....	18-37	TC74HC08P.....	18-43	uPC393G2.....	18-33
SN74LS221NS.....	18-37	TC74HC11P.....	18-31	uPC4558C.....	18-48
SN74LS244N.....	18-37	TC74HC123F.....	18-43	uPC4558G2.....	18-48
SN74LS245N.....	18-38	TC74HC138F.....	18-43	uPC648C.....	18-48
SN74LS624N.....	18-38	TC74HC138P.....	18-43	uPC79??H.....	18-48
SN74LS683NS.....	18-38	TC74HC139F.....	18-43	uPD4013BC.....	18-48
SN74LS697N.....	18-38	TC74HC139P.....	18-43	uPD71054G.....	18-56
SN74LS74ANS.....	18-4	TC74HC14F.....	18-43	uPD78310CW.....	18-49
SN75107AN.....	18-39	TC74HC14P.....	18-43	uPD78312CW.....	18-50
TA7060AP.....	18-39	TC74HC157P.....	18-43		
TA7267P.....	18-39	TC74HC160F.....	18-44		
TA7357AP.....	18-39	TC74HC221F.....	18-44		
TA78L???AP.....	18-39	TC74HC240P.....	18-44		
TC4001BF.....	18-39	TC74HC244F.....	18-44		
TC4001BP.....	18-39	TC74HC244P.....	18-44		
TC4009UBP.....	18-39	TC74HC245P.....	18-35		
TC4011BF.....	18-39	TC74HC27F.....	18-44		
TC4016BP.....	18-40	TC74HC32F.....	18-44		
TC4023BF.....	18-40	TC74HC32P.....	18-44		
TC4024BF.....	18-40	TC74HC373P.....	18-36		
TC4028BF.....	18-40	TC74HC4049F.....	18-45		
TC4030BF.....	18-40	TC74HC4050F.....	18-45		
TC4030BP.....	18-40	TC74HC4050P.....	18-45		
TC4050BF.....	18-40	TC74HC595P.....	18-45		
TC4050BP.....	18-40	TC74HC597P.....	18-45		
TC4051BF.....	18-41	TC74HC74F.....	18-45		
TC4052BF.....	18-41	TC74HC86F.....	18-45		
TC4053BF.....	18-41	TC74HCU04F.....	18-43		
TC4053BFHB.....	18-41	TC74HCU04P.....	18-43		
TC4053BP.....	18-41	TD62083AP.....	18-46		
TC4066BF.....	18-41	TD62901P.....	18-46		
TC4069UBF.....	18-41				
TC4069UBP.....	18-41	TL082CP.....	18-46		
TC4071BF.....	18-41	TL082CPS.....	18-46		
TC4075BF.....	18-41	TL084CN.....	18-46		
TC4081BF.....	18-41	TL084CNS.....	18-46		
TC40H000F.....	18-42	TL431CLPB.....	18-46		
TC40H032F.....	18-42	TL601CPS.....	18-46		
TC40H139F.....	18-42	TL607CPS.....	18-46		
TC40H163F.....	18-42	TLC27M2CPS.....	18-46		
TC4526BP.....	18-42	TLC548CP.....	18-46		
TC4538BF.....	18-25	TMPZ84C011AF.....	18-47		
TC4538BP.....	18-25	TMPZ84C011AF-6....	18-47		
TC504013BF.....	18-42	TMPZ84C30AP-6....	18-56		

Transistor	PAGE
2SA1048.....	18-51
2SA1122.....	18-51
2SA1141.....	18-51
2SA1156.....	18-51
2SA1162.....	18-51
2SA1175.....	18-51
2SA1226.....	18-51
2SA473.....	18-51
2SA733.....	18-51
2SA768.....	18-51
2SA812.....	18-51
2SA844.....	18-51
2SA911.....	18-51
2SB1115A.....	18-51
2SB553.....	18-51
2SB649A.....	18-51
2SB733.....	18-51
2SB734.....	18-51
2SB822.....	18-51
2SC1173.....	18-51
2SC1623.....	18-51
2SC1762.....	18-51
2SC2223.....	18-51
2SC2259.....	18-51
2SC2458.....	18-51
2SC2603.....	18-51
2SC2654.....	18-51
2SC2712.....	18-51
2SC2715.....	18-51
2SC2754.....	18-51
2SC2757.....	18-51
2SC2785.....	18-51
2SC2878.....	18-51
2SC2901.....	18-51
2SC3012.....	18-51
2SC3326N.....	18-51
2SC403SP.....	18-51
2SC634SP.....	18-51
2SD1055.....	18-51
2SD669A.....	18-51
2SD773.....	18-51
2SD774.....	18-51
2SD999.....	18-51
2SK209.....	18-51
2SK389.....	18-51
2SK523.....	18-52
2SK94.....	18-51

Transistor	PAGE
DTA114EK.....	18-52
DTA114TK.....	18-52
DTA124EK.....	18-52
DTA124ES.....	18-52
DTA124XS.....	18-52
DTA144EF.....	18-52
DTA144EK.....	18-52
DTB123EK.....	18-52
DTC124ES.....	18-52
DTC124XS.....	18-52
DTC144EF.....	18-52
DTC144EK.....	18-52
DTC144WK.....	18-52
J175.....	18-52
TX429M.....	18-52

Diode	PAGE
10E-2.....	18-53
1S1587.....	18-53
1S2076.....	18-53
1S2835.....	18-53
1S2837.....	18-53
1SSL19.....	18-53
1SSL23.....	18-53
1SS97.....	18-53
1SS99.....	18-53
FC51M.....	18-53
FC52M.....	18-53
FC54M.....	18-53
GL-5HD5.....	18-53
GP-1L52.....	18-53
LB-402VK.....	18-53
LN25RP.....	18-53
LN35BP.....	18-53
HZ??L.....	18-53
HZ??LL.....	18-53
RD??EB?.....	18-53
RD??ESB?.....	18-53
RD??MB?.....	18-53
TLG255.....	18-53
TLP801A.....	18-53
TLUG154.....	18-53
TLUR144.....	18-53
TLY-255.....	18-53

74F04PC (FSC)
SN74LS04NS (TI) FLAT PACKAGE
TTL INVERTER
— TOP VIEW —



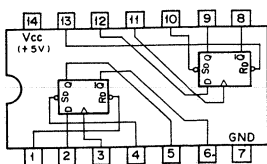
$A \rightarrow Y = A \rightarrow Y$

$Y = \bar{A}$

A	Y
0	1
1	0

0: LOW LEVEL
1: HIGH LEVEL

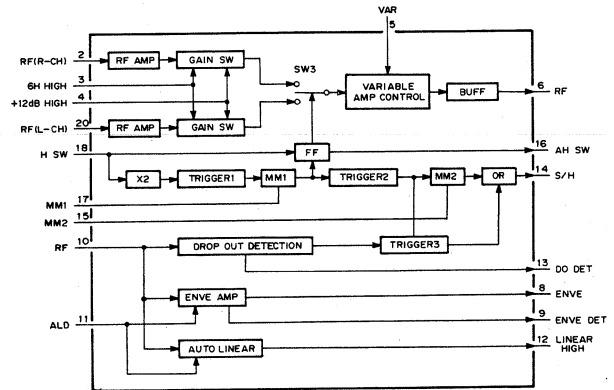
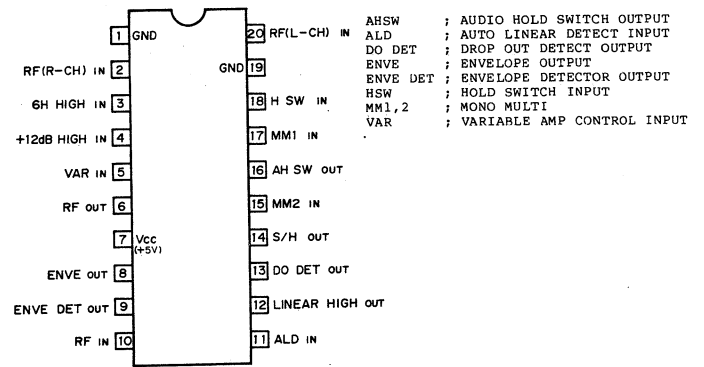
74F74PC (FSC)
SN74LS74ANS (TI) FLAT PACKAGE
TTL D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



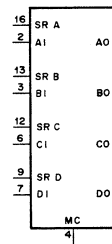
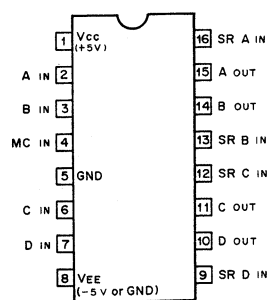
INPUTS		OUTPUTS	
S ₀	R ₀	Q _n	Q _{n+1}
0	1	X	1
1	0	0	1
0	0	X	1*
1	1	1	1
1	1	0	0
1	1	0	1
1	1	0	0

Q_n: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
1*: NONSTABLE

AN3920K (MATSUSHITA)
VTR FM AUDIO RF AMP
— TOP VIEW —

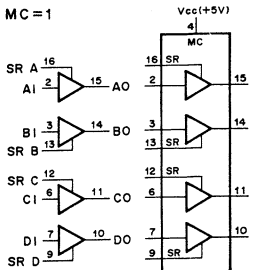


AM26LS30PC (ADVANCED MICRO DEVICES)
LINE DRIVER
— TOP VIEW —

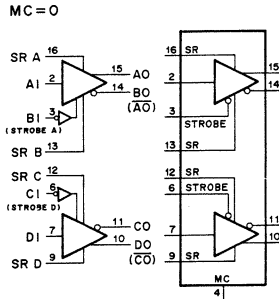


MC: MODE CONTROL
SR: SLEW RATE CONTROL

MC=1



MC=0

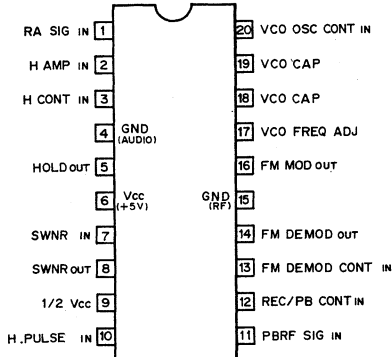


INPUTS		OUTPUTS	
MC	A TO D	A TO D	A TO D
0	0	0	0
1	1	1	1

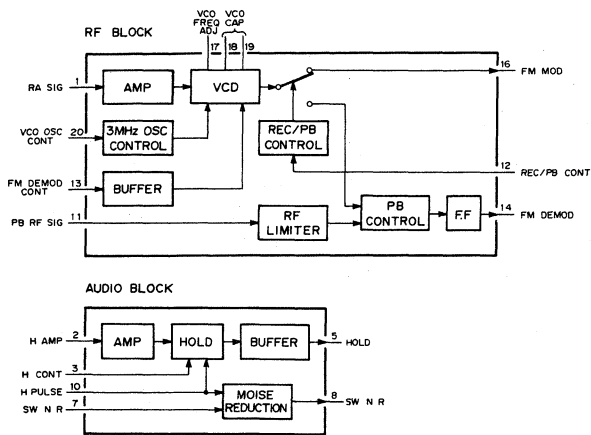
0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE

INPUTS		OUTPUTS	
MC	STROBE	A & D	B & C
0	0	0	0
0	1	1	1
1	X	HI-Z	HI-Z

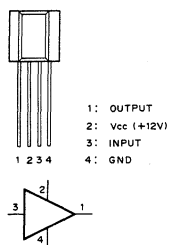
AN3922NK (MATSUSHITA)
VTR, FM AUDIO MODULATOR AND DEMODULATOR
— TOP VIEW —



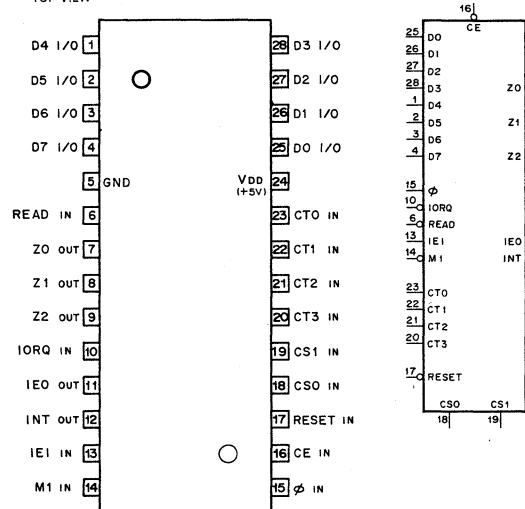
FM DEMOD : FM DEMODULATION OUTPUT
FM DEMOD CONT : FM DEMODULATION CONTROL INPUT
FM MOD : FM MODULATION OUTPUT
H AMP : HOLD AMP INPUT
H CONT : HOLD CONTROL INPUT
H PULSE : HOLD PULSE INPUT
PBRF SIG : PB RF SIGNAL INPUT
RA SIG : REC AUDIO SIGNAL INPUT
REC/PB CONT : REC/PB CONTROL INPUT
SWNR : SWITCH NOISE REDUCTION INPUT/OUTPUT
VCO CAP : VCO CAPACITOR
VCO FREQ ADJ : VCO FREQUENCY ADJUSTMENT
VCO OSC CONT : VCO OSCILLATION CONTROL INPUT



AN607P (MATSUSHITA)
AN608P (MATSUSHITA)
WIDE BAND AMPLIFIER
— PRINTED SIDE VIEW —



BU18430A (ROHM)
N-MOS COUNTER TIMER CIRCUIT
— TOP VIEW —

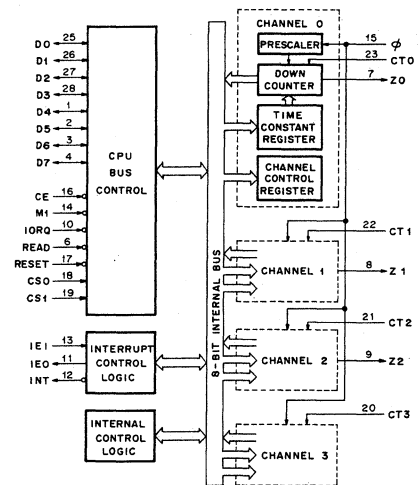


phi : SYSTEM CLOCK
CE : CHIP ENABLE
CS0, CS1 : CHANNEL SELECT
CT0-CT3 : EXTERNAL CLOCK/TIMER TRIGGER
D0-D7 : 3-STATE DATA INPUT/OUTPUT
IE1 : INTERRUPT ENABLE INPUT
IE0 : INTERRUPT ENABLE OUTPUT
INT : INTERRUPT REQUEST (OPEN DRAIN)
IORQ : I/O REQUEST
M1 : MACHINE CYCLE 1
READ : READ CYCLE STATUS
Z0-Z2 : ZERO COUNT/TIME OUT

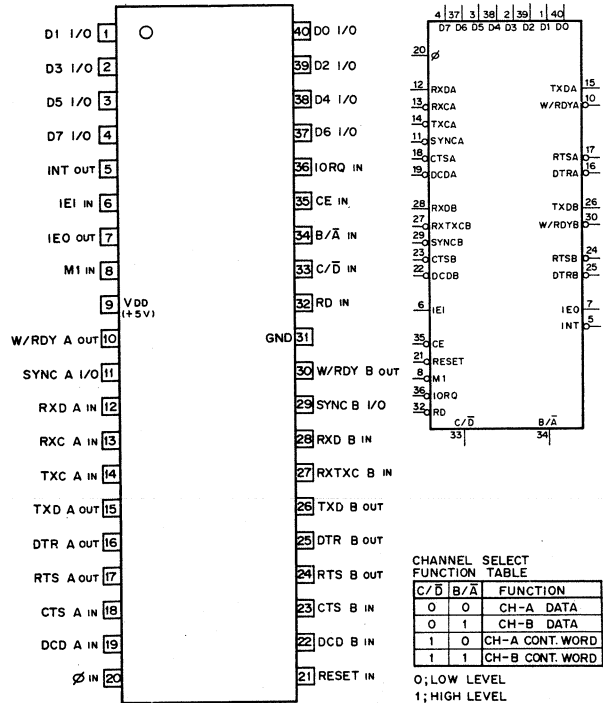
CHANNEL SELECT FUNCTION

CS1	CS0	SELECTED CHANNEL
0	0	0
0	1	1
1	0	2
1	1	3

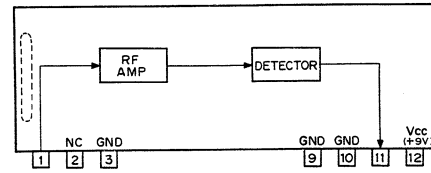
0; LOW LEVEL
1; HIGH LEVEL



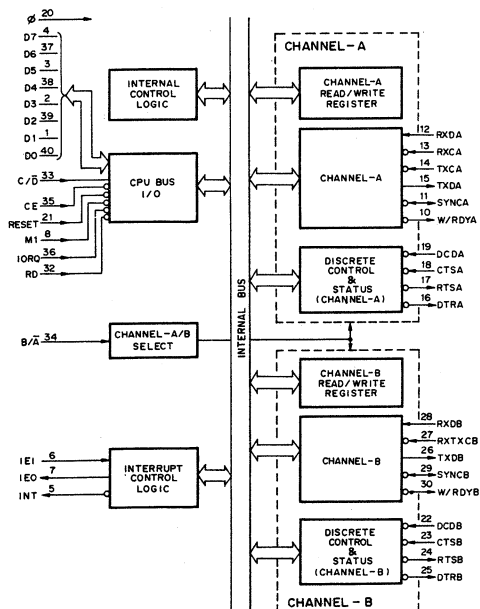
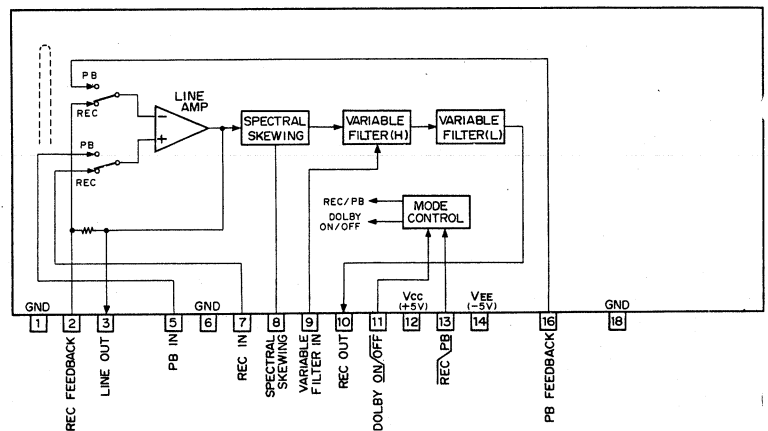
BU18440A (ROHM)
N-MOS 2-CHANNEL SERIAL INPUT/OUTPUT
FOR MICROCOMPUTER SYSTEM
— TOP VIEW —



BX1098 (SONY)
RF METER DRIVER
— REAR VIEW —



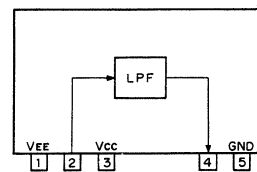
BX1152 (SONY)
DOLBY (C TYPE) NOISE REDUCTION SYSTEM
— REAR VIEW —



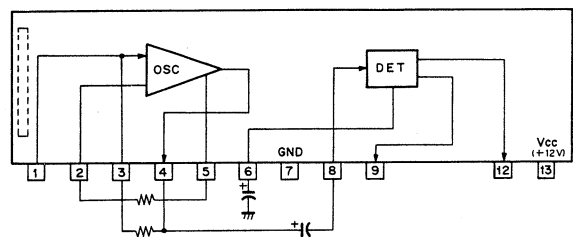
\emptyset : SYSTEM CLOCK IN
 D7-D0 : DATA BUS(3 STATE)/I/O
 C/D : CONTROL/DATA SELECT IN
 CE : CHIP ENABLE IN
 M1 : MACHINE CYCLE 1 IN
 IORQ : I/O REQUEST IN
 RD : READ IN
 B/A : CHANNEL B/A SELECT IN
 IEI : INTERRUPT ENABLE IN
 IEO : INTERRUPT ENABLE OUT
 INT : INTERRUPT OUT

RXD : RECEIVE DATA IN
 RXC : RECEIVE CLOCK IN
 TXC : TRANSMIT CLOCK IN
 TXD : TRANSMIT DATA OUT
 SYNC : EXTERNAL CHARACTER SYNCHRONIZATION I/O
 W/RDY : WAIT / READY OUT
 DCD : DATA CARRIER DETECT IN
 CTS : CLEAR TO SEND IN
 RTS : REQUEST TO SEND OUT
 DTR : DATA TERMINAL READY OUT

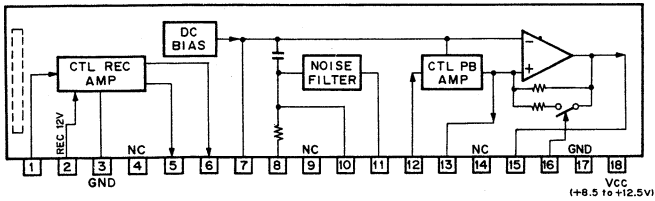
BX-1343A (SONY)
ACTIVE LOW-PASS FILTER
— IMPRINTED SIDE VIEW —



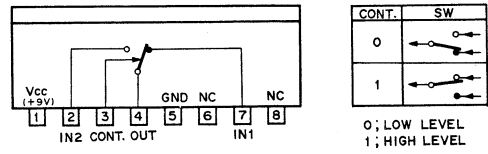
BX343 (SONY)
OSCILLATOR/DETECTOR
— REAR VIEW —



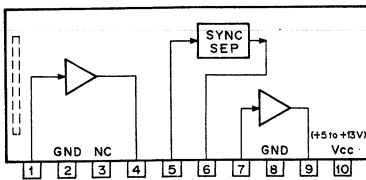
BX3914 (SONY)
CTL REC/PB AMPLIFIER
— PRINTED SIDE —



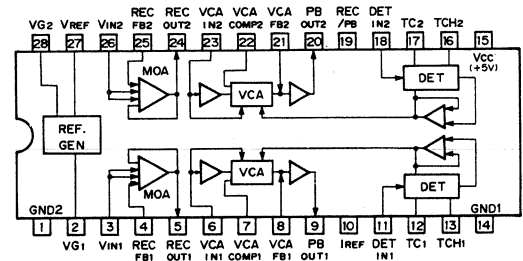
CX20061 (SONY)
ANALOG SWITCH
— SIDE VIEW —



BX3915A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —

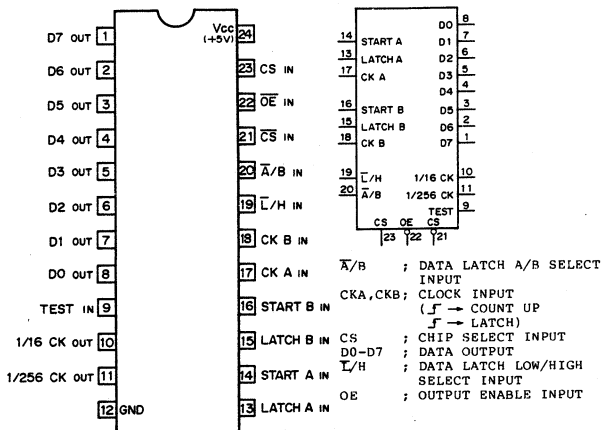


CX20099 (SONY)
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP
— TOP VIEW —



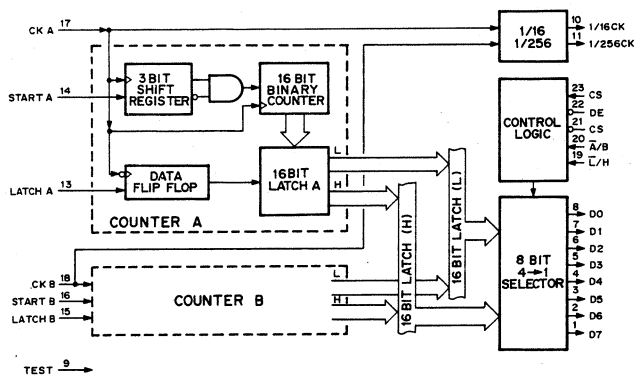
DET : DETECTOR
TC : TIME CONSTANT
TCH : TIME CONSTANT HOLD
VCA : VOLTAGE CONTROLLED AMP

CF77074NT (TI)
CLOCK COUNTER
— TOP VIEW —

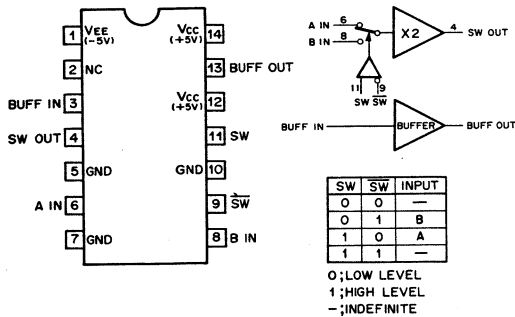


MODE SELECT					
CS	CS	OE	A/B	L/H	OUTPUT
0	X	X	X	X	HI-Z
1	0	0	0	0	LATCH A LOW BYTE
1	0	0	0	1	LATCH A HIGH BYTE
1	0	0	1	0	LATCH B LOW BYTE
1	0	0	1	1	LATCH B HIGH BYTE
X	1	X	X	X	HI-Z
X	X	1	X	X	HI-Z

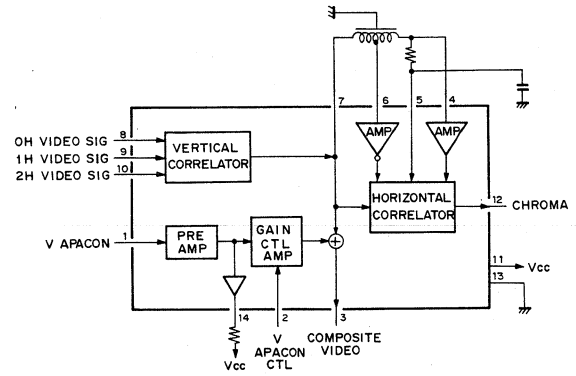
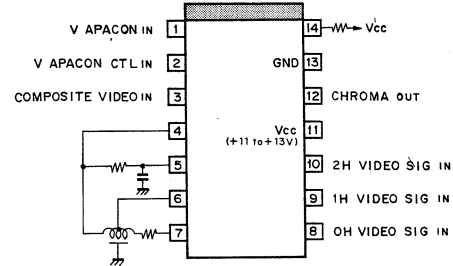
0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE



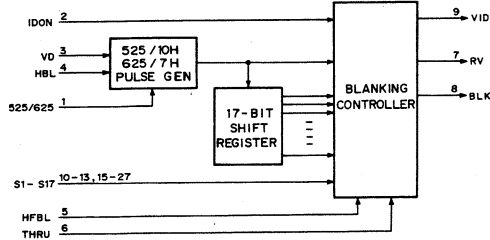
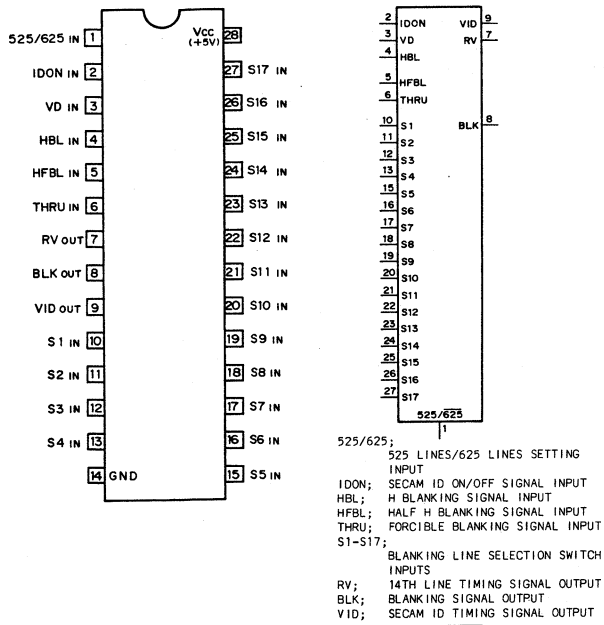
CX20158 (SONY)
VIDEO SWITCHER AND BUFFER
— TOP VIEW —



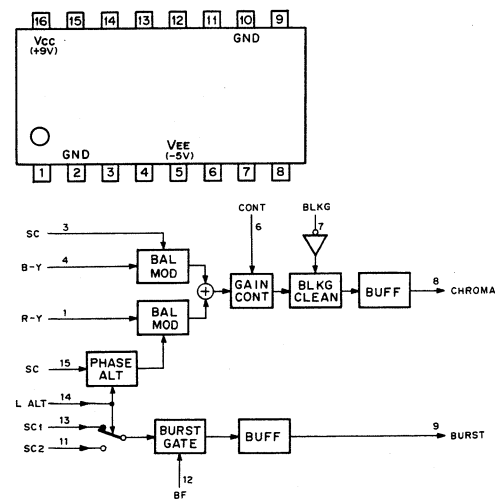
CX22013 (SONY)
DYNAMIC COMB FILTER
— TOP VIEW —



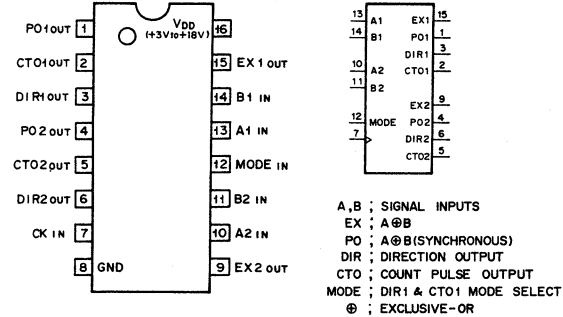
CX20162 (SONY)
BIPOLAR/TTL VERTICAL BLANKING WIDTH CONTROLLER
— TOP VIEW —



CX22017 (SONY)
VIDEO SIGNAL PROCESSOR
— TOP VIEW —

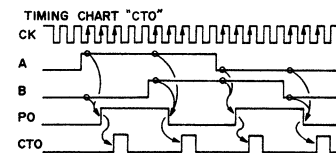


CX23028 (SONY)
C-MOS SYNCHRONOUS ROTATIONAL DIRECTION DETECTOR
— TOP VIEW —



MODE="1"

DIRECTION OUTPUT "DIR"	
INPUTS	DIR
A < B	1
B < A	0



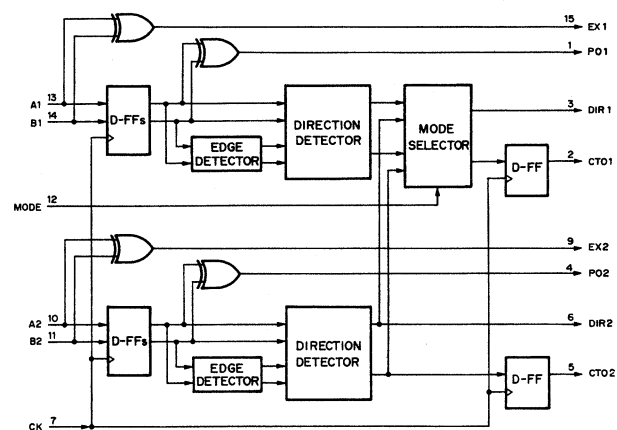
MODE="0"

DIRECTION OUTPUT "DIR"		
INPUTS	DIR 1	DIR 2
CH1 CH2		
A1 < B1 A2 < B2	1	
B1 < A1 A2 < B2	0	
A1 < B1 B2 < A2		1
B1 < A1 B2 < A2		0

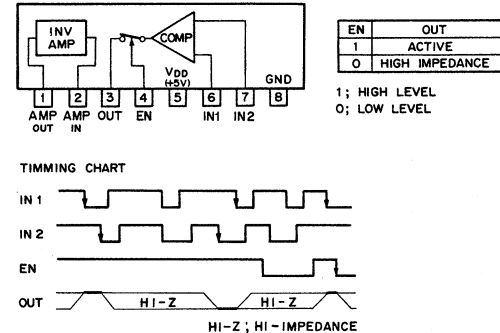
THE SAME FUNCTION OF MODE "1"

CTO 1; CTO 1 with MODE "0" = CTO 1 with MODE "1" + CTO 2
CTO 2; THE SAME FUNCTION OF MODE "1"

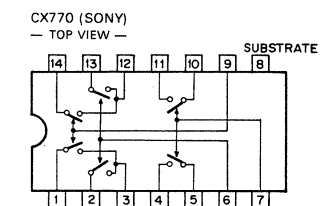
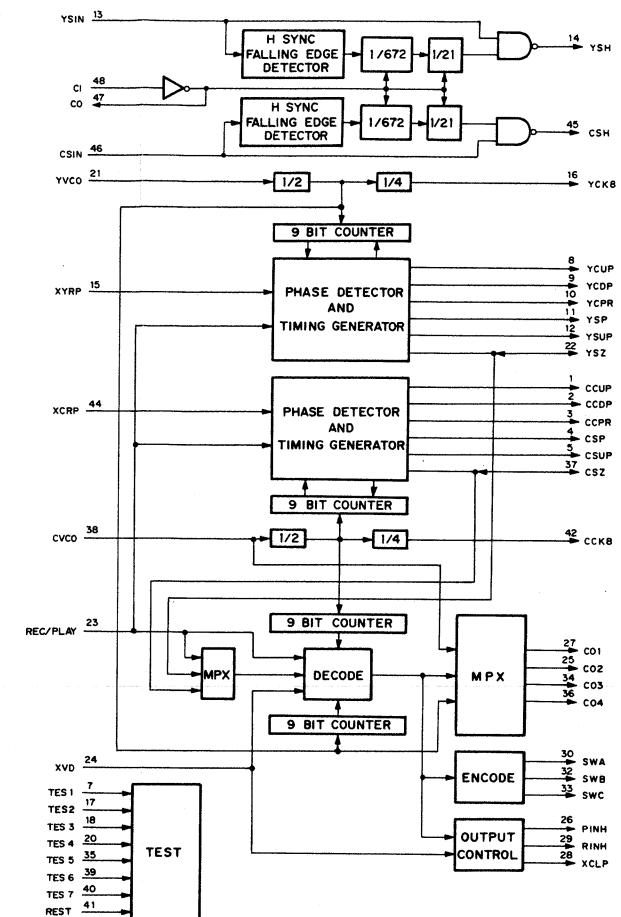
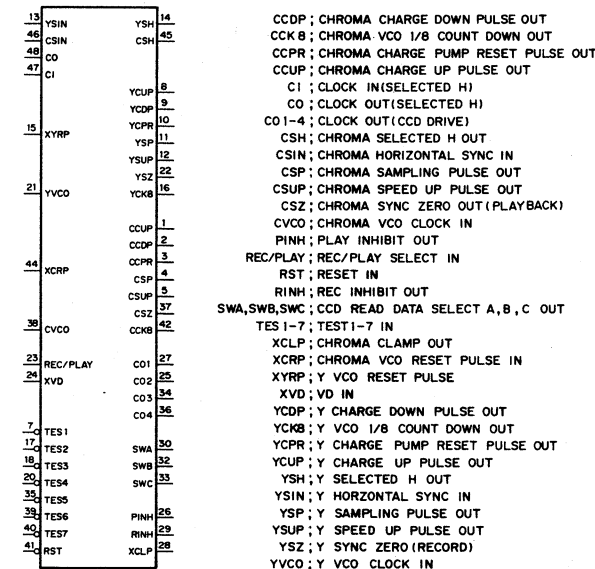
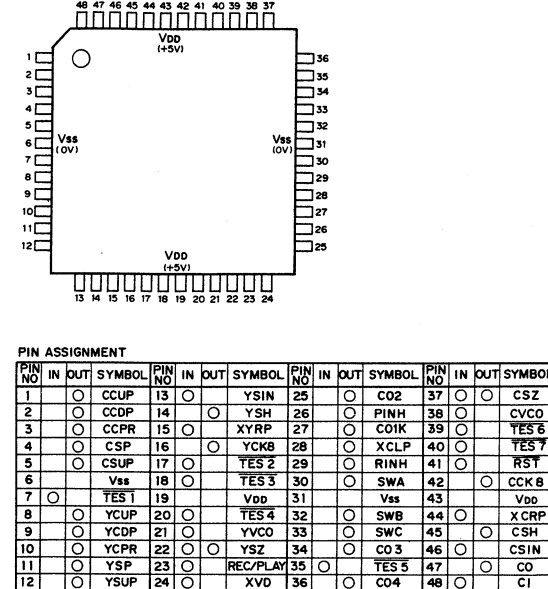
1: HIGH LEVEL
0: LOW LEVEL
A < B: THE PHASE OF SIGNAL A IS IN ADVANCE FOR THE PHASE OF B.

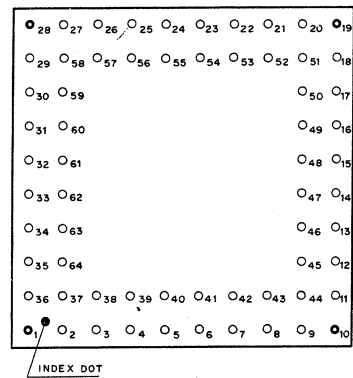


CX23065 (SONY)
N-MOS PHASE COMPARATOR WITH INVERSION AMPLIFIER
— PRINTED SIDE VIEW —



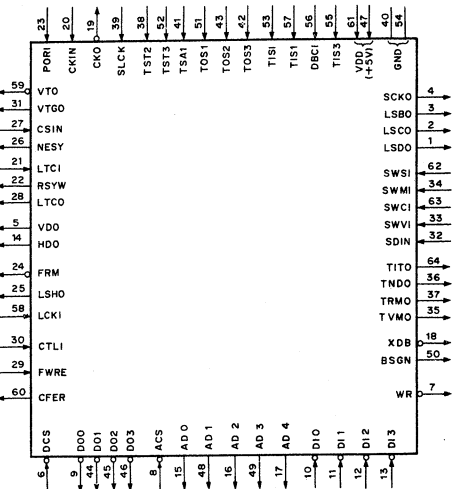
CX23084 (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR/CCD CLOCK GENERATOR
— TOP VIEW —



CX7907A (SONY)
CMOS TIME CODE GENERATOR
— TOP VIEW —

PIN ASSIGNMENT

Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL
1			LSDO	17			AD4	33			SWVI	49			AD3
2			LSDO	18			XDB	34			SWMI	50			BSGN
3			LSBO	19			CKO	35			TVMO	51			TOS1
4			CKO	20			CKIN	36			TVDO	52			TOS2
5			VDO	21			LTCI	37			TRMO	53			TIS1
6			DCS	22			RSYW	38			GND	54			GND
7			WR	23			PORI	39			SLCK	55			TIS3
8			ACS	24			FRM	40			GND	56			DBCI
9			DO0	25			LSHO	41			TSAI	57			TIS1
10			DI0	26			NESE	42			TOS2	58			LCKI
11			DI1	27			CSIN	43			TOS2	59			VTO
12			DI2	28			VTDO	44			DO1	60			CFER
13			DI3	29			FWRE	45			DO2	61			VDD(+5V)
14			HDO	30			CTLI	46			DO3	62			SWSI
15			AD0	31			VTGO	47			VDD(+5V)	63			SWCI
16			AD2	32			SDIN	48			AD1	64			TITO



#32 SDIN

LSDO	LSBO	LSBO	SDIN	FUNCTION
0	0	0	0	INCREASE IN BIT 'FR OF U1'
0	0	0	1	INCREASE IN BIT 'FT OF U2'
0	1	0	0	INCREASE IN BIT 'SE OF U3'
0	1	0	1	INCREASE IN BIT 'ST OF U4'
1	0	0	0	INCREASE IN BIT 'MN OF U5'
1	0	0	1	INCREASE IN BIT 'MT OF U6'
1	1	0	0	INCREASE IN BIT 'MR OF U7'
1	1	0	1	INCREASE IN BIT 'HT OF U8'

NOTE: INFLUENCED BIT IS DECIDED BY FIRST 2 BITS OF SWCI.

#33 SWVI

LSDO	LSBO	LSBO	SWVI	FUNCTION
0	0	0	0	VITC POSITION SELECT A
0	0	0	1	VITC POSITION SELECT B
0	1	0	0	VITC POSITION SELECT A
0	1	0	1	VITC POSITION SELECT B
1	0	0	0	VITC POSITION SELECT A
1	0	0	1	VITC POSITION SELECT B
1	1	0	0	VITC POSITION SELECT A
1	1	0	1	VITC POSITION SELECT B

†; VITC POSITION SELECT

SWID	SWIC	SWIB	SWIA	INSERTION LINE
SW2D	SW2C	SW2B	SW2A	NTSC LINE 25, PAL SECAM LINE 22,335
0	0	0	0	24
0	0	0	1	21,334
0	0	1	0	20,333
0	0	1	1	19,332
0	1	0	0	18,331
0	1	0	1	17,330
0	1	1	0	16,329
0	1	1	1	15,328
1	0	0	0	14,327
1	0	0	1	13,326
1	0	1	0	12,325
1	0	1	1	11,324
1	1	0	0	10,323
1	1	0	1	9,322
1	1	1	0	8,321
1	1	1	1	7,320

#34 SWMI

LSDO	LSBO	LSBO	SWMI	FUNCTION
0	0	0	0	INSERT SWMI DATA INTO BIT 'AS1' (NEGATIVE-LOGIC)
0	0	0	1	INSERT SWMI DATA INTO BIT 'AS2' (NEGATIVE-LOGIC)
0	1	0	0	INSERT SWMI DATA INTO BIT 'AS3' (NEGATIVE-LOGIC)
0	1	0	1	INSERT SWMI DATA INTO BIT 'AS4' (NEGATIVE-LOGIC)
1	0	0	0	INSERT SWMI DATA INTO BIT 'AS5' (NEGATIVE-LOGIC)
1	0	0	1	INSERT SWMI DATA INTO BIT 'AS6' (NEGATIVE-LOGIC)
1	1	0	0	COLOR FRAME LOCK IN FIELD 1
1	1	0	1	COLOR FRAME LOCK IN FIELD 2
1	1	1	0	COLOR FRAME OFF
1	1	1	1	COLOR FRAME ON

X; DON'T CARE.

#62 SWSI

LSDO	LSBO	LSBO	SWSI	FUNCTION
0	0	0	0	VITC FIELD MARK/ LTC PHASE CORRECTION POSITION SELECT
0	0	0	1	VITC FIELD MARK/ LTC PHASE CORRECTION POSITION SELECT
0	1	0	0	PHASE CORRECTION ON
0	1	0	1	PHASE CORRECTION OFF
1	0	0	0	S1** SIGNAL FORMAT SELECT
1	0	0	1	S2** SIGNAL FORMAT SELECT
1	1	0	0	S4** SIGNAL FORMAT SELECT
1	1	0	1	S4** SIGNAL FORMAT SELECT

NOTE: INFLUENCED BIT IS DECIDED BY FIRST 2 BITS OF SWCI.

*; VITC FIELD MARK/ LTC PHASE CORRECTION POSITION SELECT

FBS3	FBS2	FBS1	FIELD MARK POSITION	LTC BIT No.
0	0	0	AS1	10
0	0	1	AS2	11
0	1	0	AS3	27
0	1	1	AS4	43
1	0	0	AS5	58
1	0	1	AS6	59
1	1	0	-	-
1	1	1	-	-

NOTE: LTC PHASE CORRECTION BIT OF CX7907 IS FIXED ON BIT-63.

**; SIGNAL FORMAT SELECT

S4	S2	S1	FORMAT	FRAME
0	0	0	FILM	24
0	0	1	NOT ALLOWED	-
0	1	0	NOT ALLOWED	-
1	0	0	PAL, SECAM	25
1	0	1	NOT ALLOWED	-
1	1	0	NTSC NDF	30
1	1	1	NTSC DP	30

DF; DROP FRAME
NDF; NON DROP FRAME
X; DON'T CARE.0; LOW LEVEL
1; HIGH LEVEL

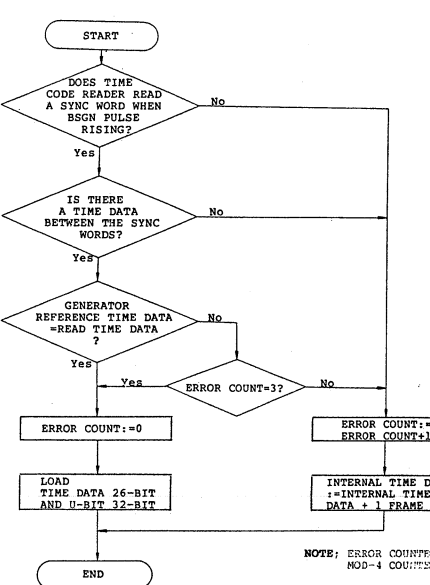
#63 SWCI

LSDO	LSBO	LSBO	SWCI	FUNCTION
0	0	0	0	U-BIT IN/OUT DATA SELECT*1
0	0	0	1	TIME DATA
0	0	1	0	CTL TIME/ U-BIT
0	0	1	1	TIME/ U-BIT
0	1	0	0	DATA RESET ON*2
0	1	0	1	DATA RESET OFF
1	0	0	0	TIME DATA HOLD
1	0	0	1	TIME DATA RUN
1	0	1	0	EXTERNAL DATA LOAD*2
1	0	1	1	EXTRAPOLATION ON
1	1	0	0	EXTRAPOLATION OFF
1	1	0	1	EXTRAPOLATION OFF
1	1	1	0	-
1	1	1	1	-

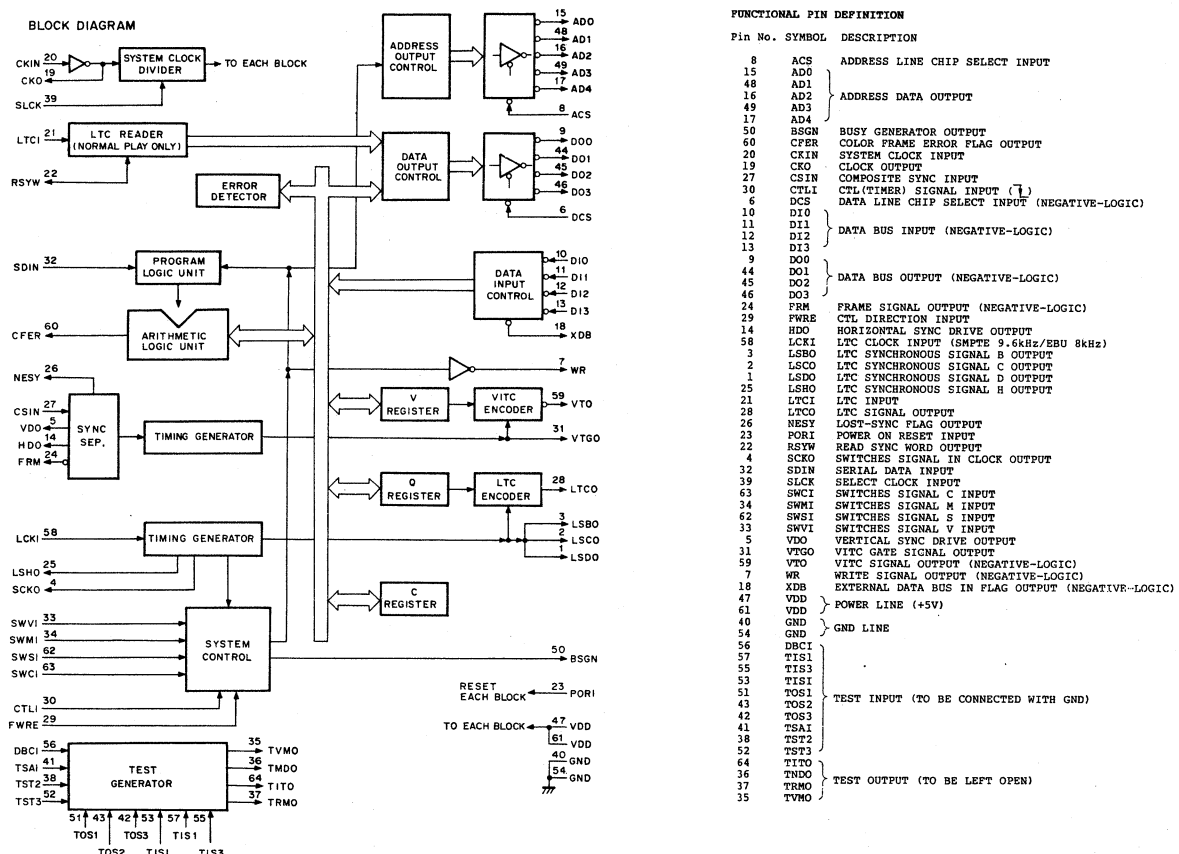
X; DON'T CARE.

*1; REFER TO TIMING CHART (DATA OUT).
*2; INFLUENCED DATA IS DECIDED BY FIRST 2 BITS OF SWCI.

ERROR BYPASS ALGORITHM



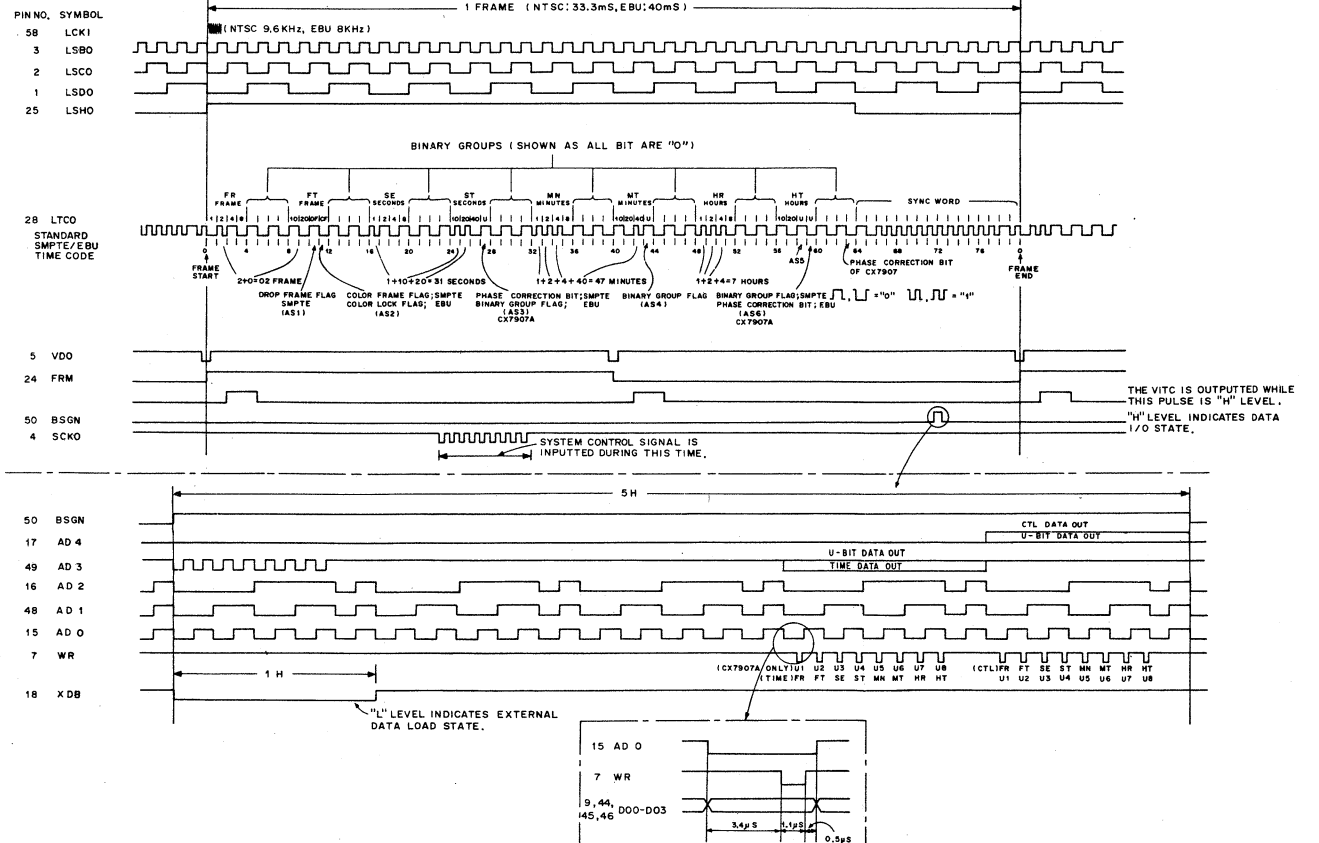
NOTE: ERROR COUNTED IN MOD-4 COUNTER.

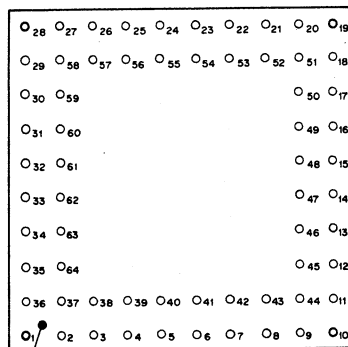


FUNCTIONAL PIN DEFINITION

Pin No.	SYMBOL	DESCRIPTION
8	ACS	ADDRESS LINE CHIP SELECT INPUT
15	AD0	ADDRESS DATA OUTPUT
48	AD1	ADDRESS DATA OUTPUT
16	AD2	ADDRESS DATA OUTPUT
49	AD3	ADDRESS DATA OUTPUT
17	AD4	ADDRESS DATA OUTPUT
50	BSGN	BUSY GENERATOR OUTPUT
60	CFER	COLOR FRAME ERROR FLAG OUTPUT
20	CKIN	SYSTEM CLOCK INPUT
19	CKO	CLOCK OUTPUT
27	CSIN	COMPOSITE SYNC INPUT
30	CTLI	CTL(TIMER) SIGNAL INPUT (1)
6	DCS	DATA LINE CHIP SELECT INPUT (NEGATIVE-LOGIC)
10	DI0	DATA BUS INPUT (NEGATIVE-LOGIC)
12	DI1	DATA BUS INPUT (NEGATIVE-LOGIC)
13	DI2	DATA BUS INPUT (NEGATIVE-LOGIC)
14	DI3	DATA BUS INPUT (NEGATIVE-LOGIC)
44	DO1	DATA BUS OUTPUT (NEGATIVE-LOGIC)
45	DO2	DATA BUS OUTPUT (NEGATIVE-LOGIC)
46	DO3	DATA BUS OUTPUT (NEGATIVE-LOGIC)
24	FRM	FRAME SIGNAL OUTPUT (NEGATIVE-LOGIC)
29	FWRE	CTL DIRECTION INPUT
14	HDO	HORIZONTAL SYNC DRIVE OUTPUT
58	LCKI	LTC CLOCK INPUT (SMPT 9.6kHz/EBU 8kHz)
3	LSBO	LTC SYNCHRONOUS SIGNAL B OUTPUT
2	LSDO	LTC SYNCHRONOUS SIGNAL C OUTPUT
1	LSDO	LTC SYNCHRONOUS SIGNAL D OUTPUT
25	LSHO	LTC SYNCHRONOUS SIGNAL H OUTPUT
21	LTCI	LTC INPUT
28	LTCO	LTC SIGNAL OUTPUT
26	NESE	LOST-SYNC FLAG OUTPUT
23	PORI	POWER ON RESET INPUT
22	RSYW	READ SYNC WORD OUTPUT
4	SCDO	SWITCHES SIGNAL IN CLOCK OUTPUT
32	SDIN	SERIAL DATA INPUT
39	SLCK	SELECT CLOCK INPUT
63	SWCI	SWITCHES SIGNAL C INPUT
34	SWMI	SWITCHES SIGNAL M INPUT
62	SWSI	SWITCHES SIGNAL S INPUT
33	SWVI	SWITCHES SIGNAL V INPUT
5	VDO	VERTICAL SYNC DRIVE OUTPUT
31	VTGO	VITC GATE SIGNAL OUTPUT (NEGATIVE-LOGIC)
59	VTO	VITC SIGNAL OUTPUT
7	WR	WRITE SIGNAL OUTPUT (NEGATIVE-LOGIC)
47	VDD	EXTERNAL DATA BUS IN FLAG OUTPUT (NEGATIVE-LOGIC)
61	VDD	POWER LINE (+5V)
54	GND	GND LINE
56	DBCI	DBCI
57	TIS1	TIS1
55	TIS3	TIS3
53	TIS1	TIS1
51	TOS1	TEST INPUT (TO BE CONNECTED WITH GND)
43	TOS2	TEST INPUT (TO BE LEFT OPEN)
42	TOS3	TEST INPUT (TO BE LEFT OPEN)
41	TSI1	TSI1
38	TSI2	TSI2
52	TSI3	TSI3
64	TITO	TITO
36	TMDO	TMDO
37	TRMO	TRMO
35	TVMO	TVMO

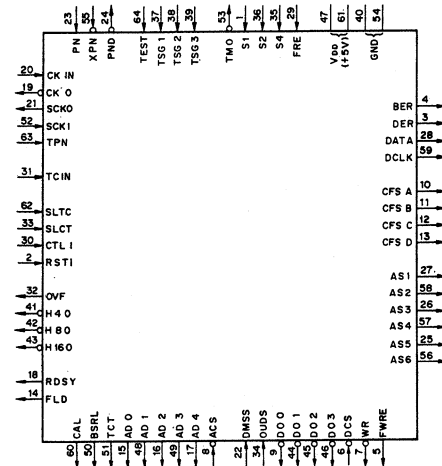
TIMING CHART



CX7912A (SONY)
C-MOS TIME CODE READER
— TOP VIEW —

INDEX DOT

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1	O		S1	17	O	AD 4	33	O	SLTC	49	O	AD 3			
2	O		RST1	18	O	RDSY	34	O	OUDS	50	O	BSRL			
3	O		DER	19	O	CK 0	35	O	S4	51	O	TCT			
4	O		BER	20	O	CK IN	36	O	S2	52	O	SCK1			
5	O		FWRE	21	O	SCKO	37	O	TSG 1	53	O	TMO			
6	O		DCS	22	O	DMSS	38	O	TSG 2	54	O	GND			
7	O		WR	23	O	PN	39	O	TSG 3	55	O	XPN			
8	O		ACS	24	O	PND	40	O	GND	56	O	AS6			
9	O		DO 0	25	O	AS 5	41	O	H 4 0	57	O	AS4			
10	O		CFS A	26	O	AS 3	42	O	H 8 0	58	O	AS2			
11	O		CFS B	27	O	AS 1	43	O	H 16 0	59	O	DCLK			
12	O		CFS C	28	O	DATA	44	O	DO 1	60	O	CAL			
13	O		CFS D	29	O	FRE	45	O	DO 2	61	O	VDDH5V			
14	O		FLD	30	O	CTL 1	46	O	DO 3	62	O	SLTC			
15	O		AD 0	31	O	TC IN	47	O	VDDH5V	63	O	TPN			
16	O		AD 2	32	O	OVF	48	O	AD 1	64	O	TEST			



MODE SELECT

SLTC	SLTC	MODE
0	0	AUTO
0	1	TIME CODE
1	0	CTL
1	1	AUTO

CTL COUNT

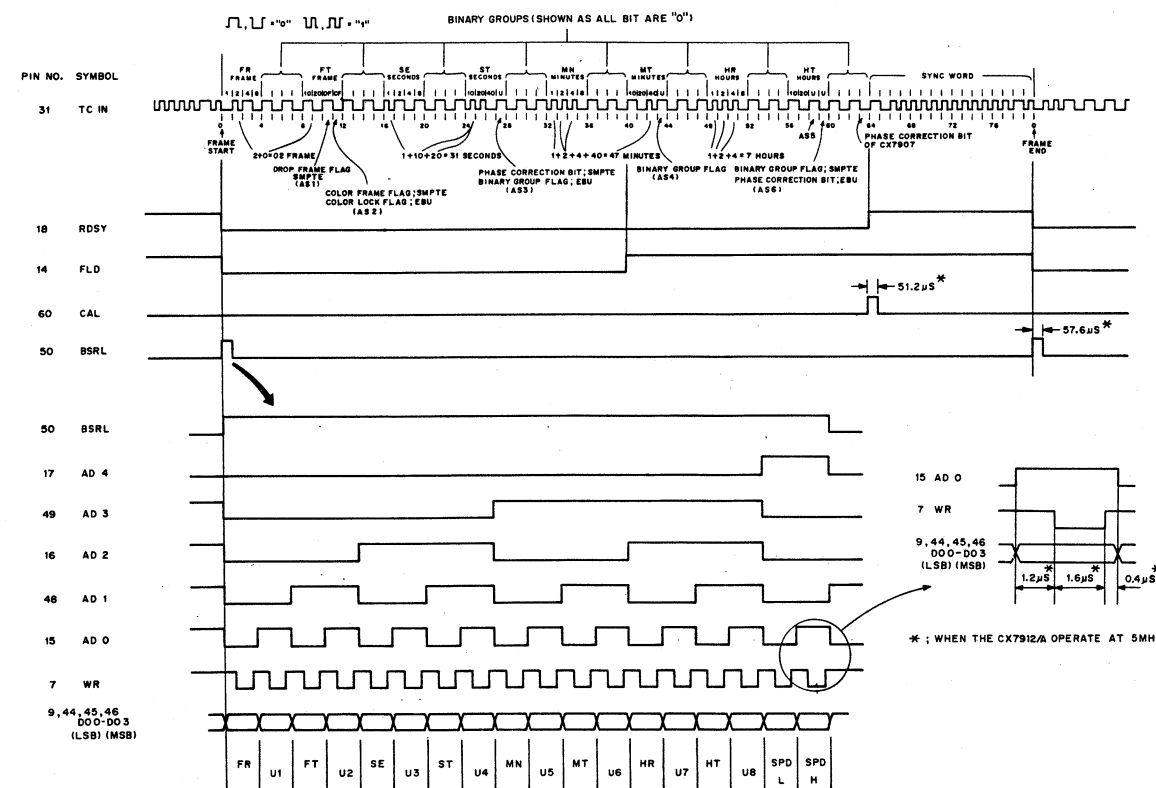
PRE	RTI	COUNT
0	X	DOWN COUNT
1	X	UP COUNT
X	L	RESET

SIGNAL FORMAT SELECT

S4	S2	S1	FORMAT	FRAME
0	0	0	FILM	24
0	0	1	NOT ALLOWED	—
0	1	0	NOT ALLOWED	—
0	1	1	PAL SECAM	25
1	0	0	NOT ALLOWED	—
1	0	1	NTSC (NON DROP FRAME)	30
1	1	0	NTSC (NON DROP FRAME)	30
1	1	1	NTSC (DROP FRAME)	30

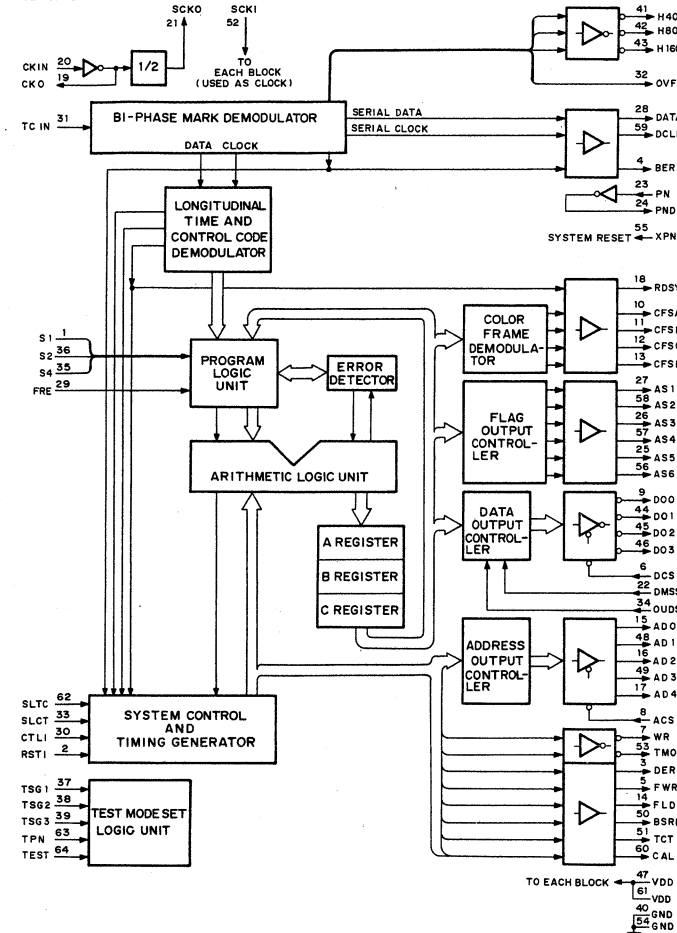
O: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

TIMING CHART



* : WHEN THE CX7912A OPERATE AT 5MHz

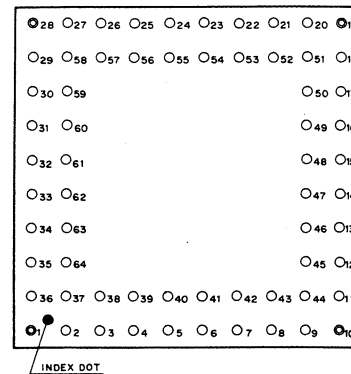
BLOCK DIAGRAM



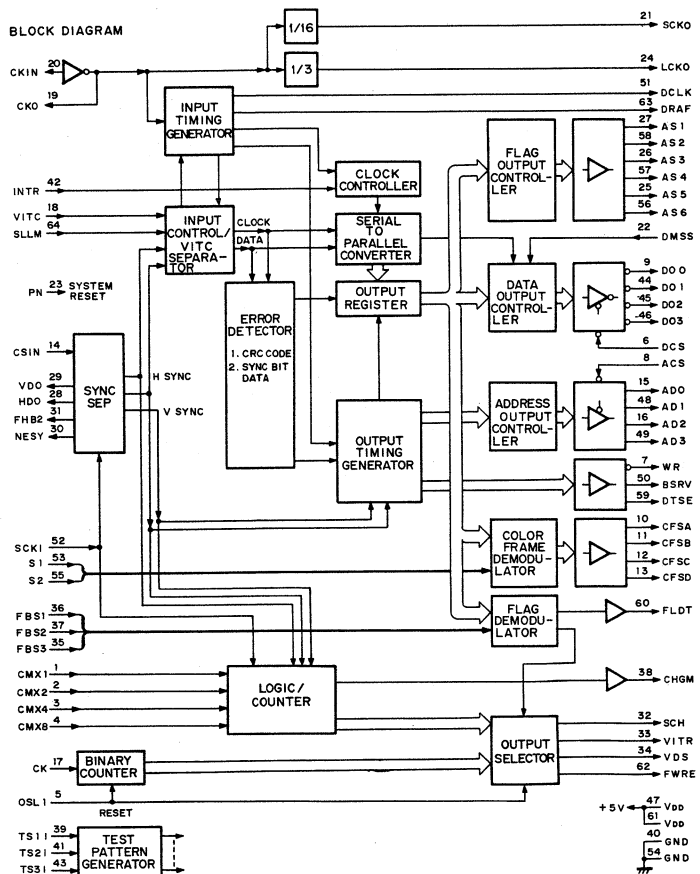
FUNCTIONAL PIN DEFINITION

PIN NO.	SYMBOL	DESCRIPTION
8	ACS	ADDRESS LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
15	AD0	ADDRESS DATA OUTPUT
16	AD2	ADDRESS DATA OUTPUT
17	AD4	ADDRESS DATA OUTPUT
27	AS1	PARALLEL DATA OUTPUT
28	AS2	PARALLEL DATA OUTPUT
29	AS3	PARALLEL DATA OUTPUT
30	AS4	PARALLEL DATA OUTPUT
31	AS5	PARALLEL DATA OUTPUT
32	AS6	PARALLEL DATA OUTPUT
33	PN	BI-PHASE MARK ERROR (BIT ERROR) OUTPUT
34	BSRL	DATA OUT FLAG OUTPUT
35	CAL	CALCULATE OUT FLAG OUTPUT
36	DCS	DATA LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
37	CFS A	DEMODULATED COLOR FRAME OUTPUT
38	CFS B	DEMODULATED COLOR FRAME OUTPUT
39	CFS C	DEMODULATED COLOR FRAME OUTPUT
40	CFS D	DEMODULATED COLOR FRAME OUTPUT
41	CKIN	CLOCK INPUT
42	CKO	CLOCK OUTPUT (NEGATIVE-LOGIC)
43	CTL1	CTL SIGNAL INPUT (L)
44	DATA	DEMODULATED SERIAL DATA OUTPUT
45	DCLK	DEMODULATED CLOCK OUTPUT
46	DO0	DATA LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
47	DO1	DEMODULATE DATA ERROR OUTPUT
48	DO2	DEMODULATE DATA ERROR OUTPUT
49	DO3	DEMODULATE DATA ERROR OUTPUT
50	DO4	DEMODULATE DATA ERROR OUTPUT
51	DO5	DEMODULATE DATA ERROR OUTPUT
52	DO6	DEMODULATE DATA ERROR OUTPUT
53	DO7	DEMODULATE DATA ERROR OUTPUT
54	DO8	DEMODULATE DATA ERROR OUTPUT
55	DO9	DEMODULATE DATA ERROR OUTPUT
56	DO10	DEMODULATE DATA ERROR OUTPUT
57	DO11	DEMODULATE DATA ERROR OUTPUT
58	DO12	DEMODULATE DATA ERROR OUTPUT
59	DO13	DEMODULATE DATA ERROR OUTPUT
60	DO14	DEMODULATE DATA ERROR OUTPUT
61	DO15	DEMODULATE DATA ERROR OUTPUT
62	DO16	DEMODULATE DATA ERROR OUTPUT
63	DO17	DEMODULATE DATA ERROR OUTPUT
64	DO18	DEMODULATE DATA ERROR OUTPUT

CX7913A (SONY)
C-MOS VITC (VERTICAL INTERVAL TIME CODE) READER
— TOP VIEW —



PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			CMX1	17			CK	33			VITC	49			AD3
2			CMX2	18			CK	34			VDS	50			BSRV
3			CMX4	19			CK	35			D CLK	51			D CLK
4			CMX8	20			CK	36			FBS1	52			SK1
5			OSL1	21			CK	37			FBS2	53			S1
6			D CS	22			DMSS	38			CHGM	54			GND
7			WR	23			PN	39			GND	55			AS6
8			ACS	24			LCKO	40			GND	56			AS4
9			DOO	25			AS5	41			TS21	57			AS2
10			CFS A	26			AS3	42			INTR	58			AS2
11			CFS C	27			AS1	43			TS31	59			DTSE
12			CFS D	28			HDO	44			DO1	60			FLDT
13			CFS IN	29			VDO	45			DO2	61			VDDH(5V)
14			CS IN	30			NESY	46			DO3	62			FWRE
15			AD 0	31			FHB 2	47			VDDH(5V)	63			DRAP
16			AD 2	32			SCH	48			AD1	64			SLLM



PIN NO.	SYMBOL	DESCRIPTION
8	ACS	ADDRESS LINE ENABLE INPUT
15	AD0	ADDRESS DATA OUTPUT
48	AD1	ADDRESS DATA OUTPUT
16	AD2	ADDRESS DATA OUTPUT
49	AD3	ADDRESS DATA OUTPUT
27	AS1	PARALLEL DATA OUTPUT
28	AS2	PARALLEL DATA OUTPUT
26	AS3	PARALLEL DATA OUTPUT
57	AS4	PARALLEL DATA OUTPUT
25	AS5	PARALLEL DATA OUTPUT
56	AS6	PARALLEL DATA OUTPUT
50	BSRV	DATA OUT FLAG OUTPUT
10	CFS A	DEMODULATED COLOR FRAME OUTPUT
11	CFS B	DEMODULATED COLOR FRAME OUTPUT
12	CFS C	DEMODULATED COLOR FRAME OUTPUT
13	CFS D	DEMODULATED COLOR FRAME OUTPUT
38	CHGM	CHARACTER V POSITION GATE SIGNAL OUTPUT
17	CK	INTERNAL COUNTER CLOCK INPUT
20	CKIN	CLOCK INPUT
19	CKO	CLOCK OUTPUT (NEGATIVE-LOGIC)
1	CMX1	CHARACTER V POSITION SELECT INPUT
2	CMX2	CHARACTER V POSITION SELECT INPUT
3	CMX4	CHARACTER V POSITION SELECT INPUT
4	CMX8	CHARACTER V POSITION SELECT INPUT
6	DCS	COMPOSITE SYNC INPUT
14	CSIN	VITC READ CLOCK OUTPUT
51	DCLK	DATA LINE ENABLE INPUT
6	DOO	ASSIGNED BIT DATA SELECT INPUT
22	DMSS	DATA OUT (NEGATIVE-LOGIC)
44	DO1	DATA OUT (NEGATIVE-LOGIC)
45	DO2	DATA OUT (NEGATIVE-LOGIC)
46	DO3	DATA OUT (NEGATIVE-LOGIC)
63	DRAP	VITC SYNCHRONIZE SIGNAL D OUTPUT
59	DTSE	VITC DATA SEARCH FLAG OUTPUT
36	FBS1	FIELD MARK POSITION SELECT 1 INPUT
37	FBS2	FIELD MARK POSITION SELECT 2 INPUT
35	FBS3	FIELD MARK POSITION SELECT 3 INPUT
31	FHB2	FIELD DATA OUTPUT
60	FLDT	FIELD DATA OUTPUT
62	FWRE	TAPE DIRECTION SIGNAL OUTPUT
28	HDO	HORIZONTAL SYNC DRIVE OUTPUT
42	INTR	INTERRUPT REQUEST INPUT
24	LCKO	LTC CLOCK OUTPUT
30	NESY	LOST-SYNC FLAG OUTPUT
5	OSL1	OUTPUT SIGNAL SELECT 1 INPUT
23	PN	POWER ON RESET INPUT
53	S1	SIGNAL FORMAT SELECT S1 INPUT
55	S2	SIGNAL FORMAT SELECT S2 INPUT
32	SCH	SYSTEM CLOCK INPUT
52	SK1	SYSTEM CLOCK INPUT
21	SKO	SYSTEM CLOCK OUTPUT
64	SLLM	READ SIZE SELECT INPUT
29	VDO	VERTICAL SYNC DRIVE OUTPUT
34	VDS	OUTPUT SIGNAL VDS
18	VITC	VITC SIGNAL INPUT
33	VITR	OUTPUT SIGNAL VITR
7	WR	WRITE SIGNAL OUTPUT (NEGATIVE-LOGIC)
47	VDD	POWER LINE (+5V)
61	VDD	POWER LINE (+5V)
40	GND	GND LINE
54	GND	GND LINE
39	TS11	TEST INPUT
41	TS21	TEST INPUT
43	TS31	TEST INPUT

#1,2,3,4 CMX1 TO 8; CHARACTER V POSITION SELECT

CMX8	CMX4	CMX2	CMX1	INSERTION LINE (#38 CHGM IS H LEVEL)	
				NTSC	PAL/SECAM
0	0	0	0	---	---
0	0	0	1	---	284-303
0	0	1	0	---	596-615
0	0	1	1	---	264-283
0	0	1	1	---	576-595
0	1	0	0	227-246	224-243
0	1	0	1	207-226	536-555
0	1	1	0	187-206	204-223
0	1	1	1	167-186	184-203
1	0	0	0	147-166	496-515
1	0	0	1	127-146	164-183
1	0	1	0	107-126	476-495
1	0	1	1	87-106	144-163
1	1	0	0	67-86	456-475
1	1	0	1	47-66	124-143
1	1	1	0	27-46	436-455
1	1	1	1	---	104-123

#36,37,35 FBS1 TO FBS3; FIELD DATA SELECT

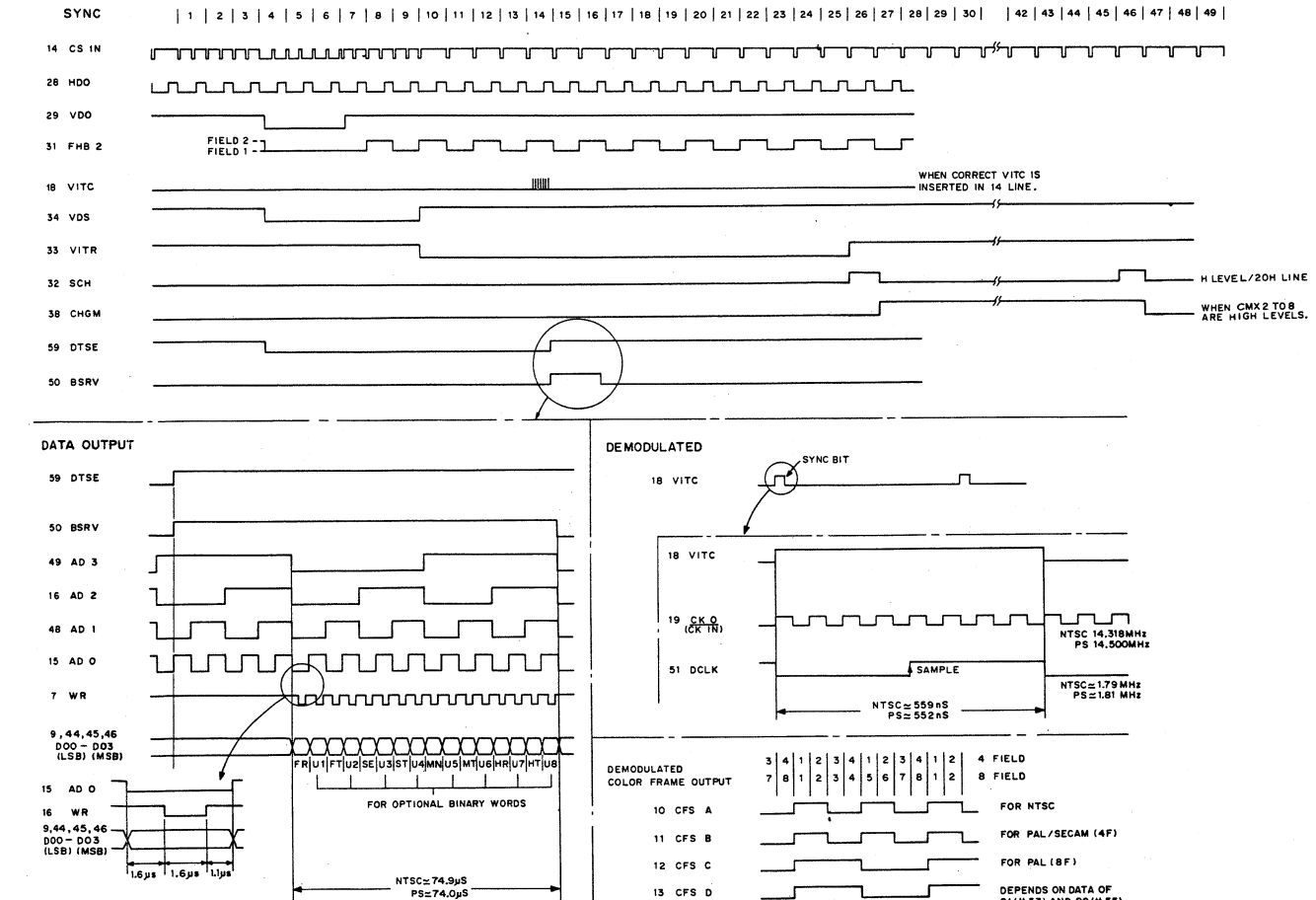
FBS3	FBS2	FBS1	#60 FLDT OUTPUT
0	0	0	AS1 (VITC BIT No.14)
0	0	1	AS2 (VITC BIT No.15)
0	1	0	AS3 (VITC BIT No.35)
0	1	1	AS4 (VITC BIT No.55)
1	0	0	AS5 (VITC BIT No.74)
1	0	1	AS6 (VITC BIT No.75)
1	1	0	---
1	1	1	---

#53,55 S1,S2; SIGNAL FORMAT SELECT

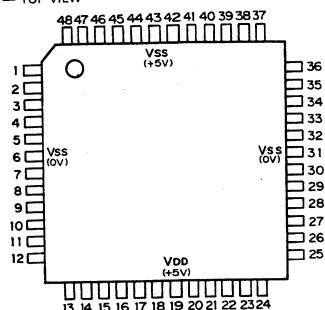
S2	S1	#13 CFSD FORMAT
0	0	UNSPECIFIED
0	1	UNSPECIFIED
1	0	NTSC NON DROP FRAME
1	1	NTSC DROP FRAME

0; LOW LEVEL
1; HIGH LEVEL

TIMING CHART



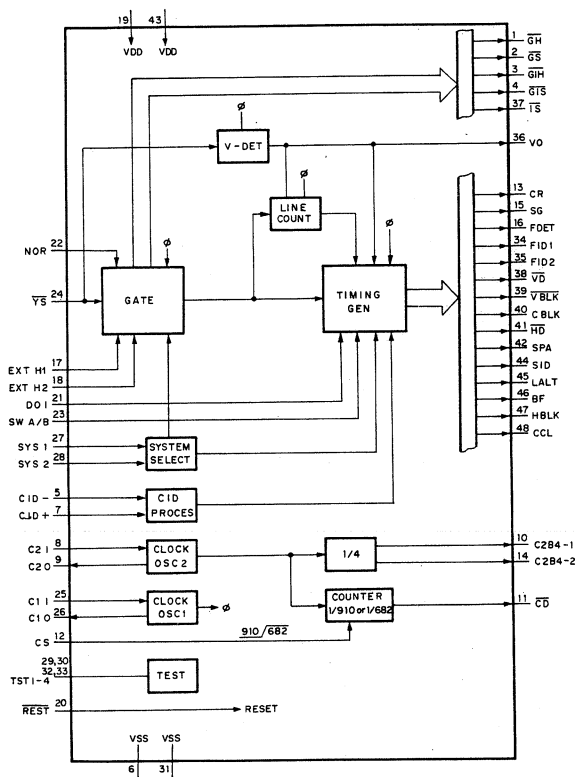
CX7993A (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR
— TOP VIEW —



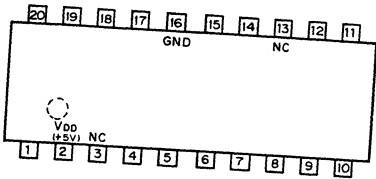
PIN ASSIGNMENT

PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1		O	GH	13	O	CR	25	O	C11	37	O	TS			
2	O		GS	14	O	C2B4-2	26	O	C10	38	O	VD			
3	O		GIH	15	O	SG	27	O	SYS 1	39	O	VBLK			
4	O		GIS	16	O	FDET	28	O	SYS 2	40	O	CBLK			
5	O		CID -	17	O	EXTH 1	29		T1	41	O	RD			
6			VSS	18	O	EXTH 2	30		T2	42	O	SPA			
7	O		CID +	19		VDD	31		VSS	43		VDD			
8	O		C21	20	O	RST	32		T3	44	O	SID			
9	O		C20	21	O	DOI	33		T4	45	O	LALT			
10	O		C2B4-1	22	O	NOR	34	O	FID 1	46	O	BF			
11	O		CD	23	O	SW A/B	35	O	FID 2	47	O	HBLK			
12	O		CS	24	O	YS	36	O	VO	48	O	CCL			

22	NOR	GH	1	BF	BURST FLAG OUT
24	YS	GS	2	C11	CLOCK 1 IN
		GIH	3	C10	CLOCK 1 OUT
17	EXTH 1	GIS	37	C2B4-1	CLOCK 2/4-1
18	EXTH 2	IS	37	C2B4-2	CLOCK 2/4-2
21	DOI			C21	CLOCK 2 IN
23	SW A/B	VO	36	C20	CLOCK 2 OUT
				CBLK	CHROMA BLANKING PULSE OUT
27	SYS 1	CR	13	CCL	CHROMA CLAMP
28	SYS 2	SG	15	CD	COUNT DOWN SIGNAL
		FDET	16	CID+, CID-	CHROMA ID +, - IN
5	CID(-)	FID 1	34	CR	CORRECT SYNC OUT
7	CID(+)	FID 2	35	CS	COUNTER SELECT IN
		VD	38	EXTH 1	EXTERNAL H-1
8	C21	VBLK	39	EXTH 2	EXTERNAL H-2
9	C20	CBLK	40	FDET	FRAME DET OUT
25	C11	HD	41	FID1 FID2	FRAME ID 1,2 OUT
26	C10	SPA	42	GH	GATED H OUT
		SID	44	GIH	GATE/INTERPOLATED H OUT
12	CS	LALT	45	GIS	GATE/INTERPOLATED SYNC OUT
		BF	46	GS	GATED SYNC OUT
29	TST 1	HBLK	47	HBLK	H-BLANKING PULSE OUT
30	TST 2	CCL	48	HD	HD OUT
32	TST 3			IS	INTERPOLATED SYNC OUT
33	TST 4			LALT	LINE ALTERNATE OUT
20	RST			NOR	MODE SELECT(NORMAL/SERCH) IN
				RST	RESET IN
				SG	SYNC GATE OUT
				SID	SECAM ID OUT
				SPA	SECAM PHASE ALTERNATE OUT
				SW A/B	Y SWITCHING PULSE A/B IN
				SYS1, SYS2	SYSTEM SELECT 1,2 IN
				TST1, TST2	TEST 1, TEST 2
				VBLK	V-BLANKING PULSE OUT
				VD	VD OUT
				VO	V OUT
				YS	Y SYNC OUT

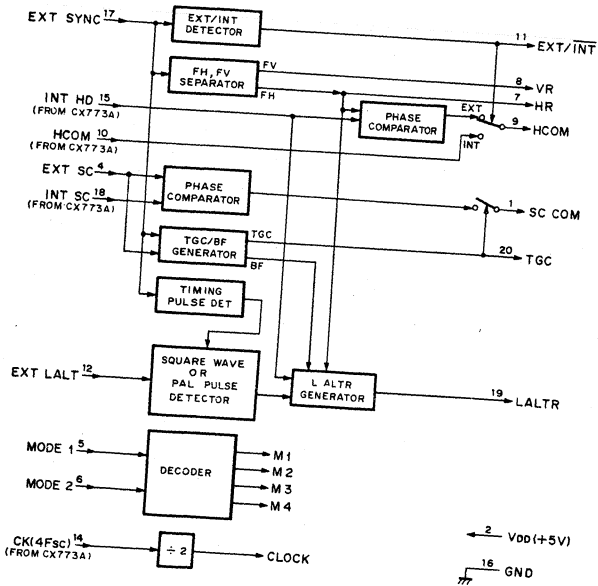


CX7998 (SONY) FLAT PACKAGE
C-MOS GENLOCK DRIVER FOR CX773A
— TOP VIEW —

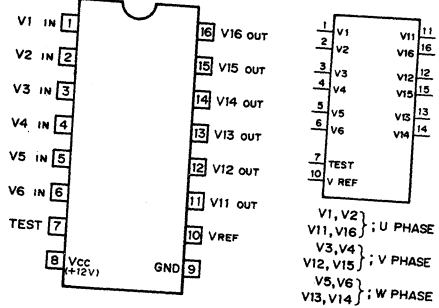


INPUTS	MODE 1	MODE 2	EXT LOCK MODE
0	0	M 1	PAL:VBS
1	0	M 2	PAL-M:VBS
0	1	M 3	PAL:VS/SC/LALT
1	1	M 4	SECAM:VS/SC/LALT
			NTSC:VBS
			NTSC:VS/SC
			PAL-M:VS/SC/LALT

0; LOW LEVEL
1; HIGH LEVEL

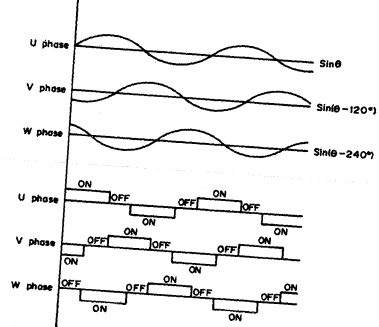


CX877 (SONY)
MOTOR DRIVER
— TOP VIEW —

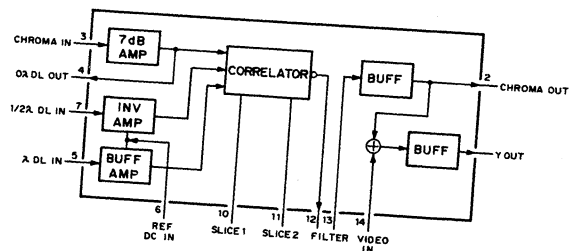
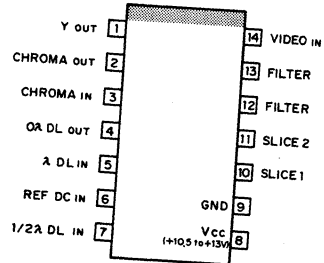


V1, V2; U PHASE
V11, V16; U PHASE
V3, V4; V PHASE
V12, V15; V PHASE
V5, V6; W PHASE
V13, V14; W PHASE

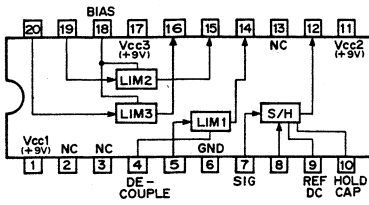
TIMING CHART



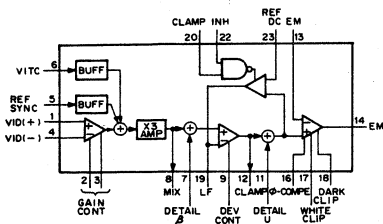
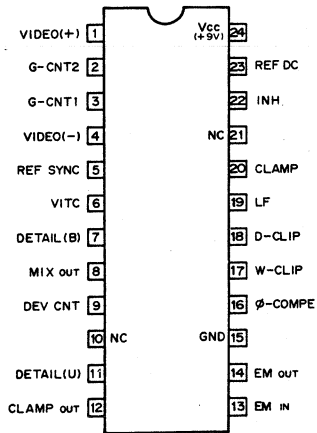
CXA1020P (SONY)
CHROMA CROSS-COLOR NOISE REDUCER/EDGE COMPENSATOR
— TOP VIEW —



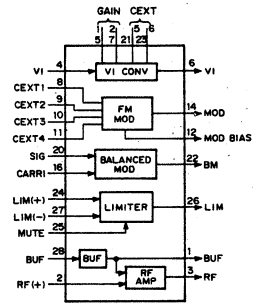
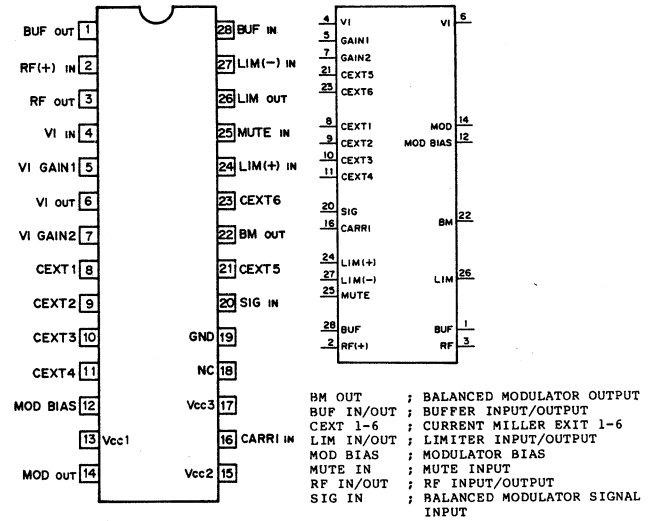
CXA1039M (SONY) PLAT PACKAGE
DETAIL ENHANCER LIMITER
— TOP VIEW —



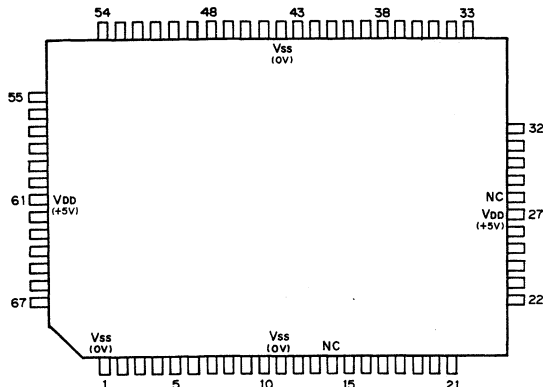
CXA1040M (SONY) MINI FLAT PACKAGE
VIDEO SIGNAL PROCESSOR
— TOP VIEW —



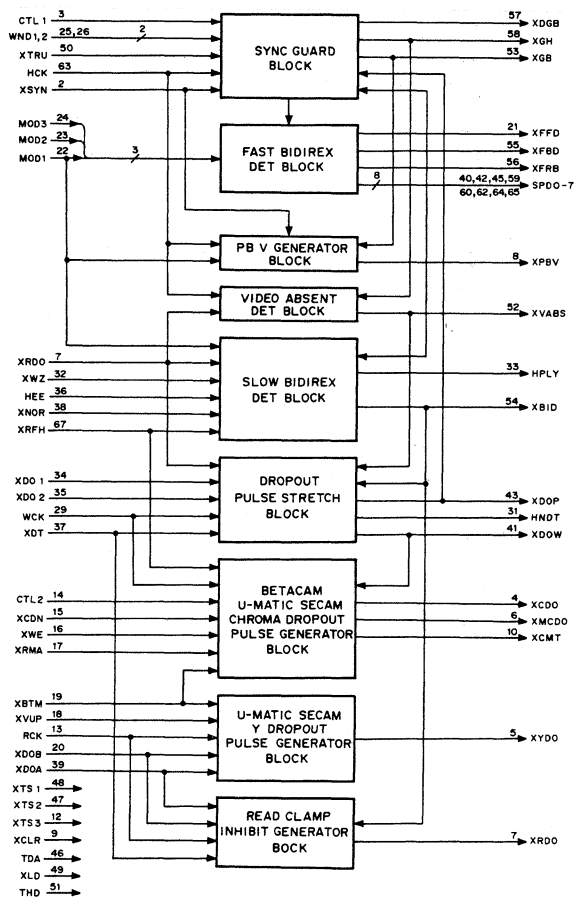
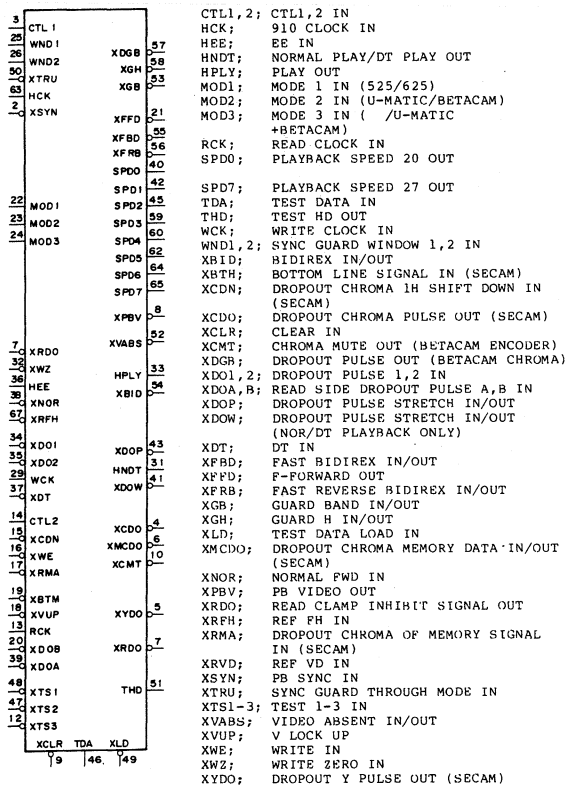
CXA1041M (SONY) MINI FLAT PACKAGE
FM MODULATOR
— TOP VIEW —



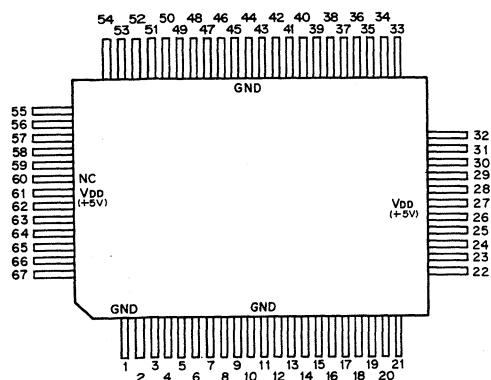
CXD1023AQ (SONY) FLAT PACKAGE
C-MOS TBC
— TOP VIEW —



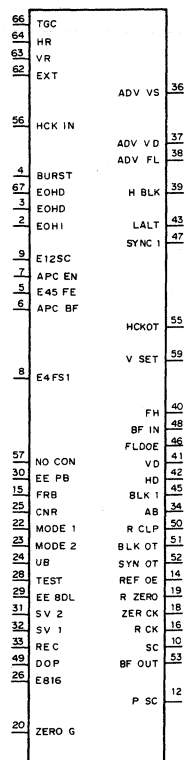
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			VSS	21			XFFD	41			XDOW	61			VDD
2			XSYN	22			MOD1	42			SPD6	62			SPD2
3			CTL1	23			MOD2	43			XDOP	63			HCK
4			XCD0	24			MOD3	44			VSS	64			SPD1
5			XYD0	25			WND1	45			SPD5	65			SPD0
6			XMCD0	26			WND2	46			TDA	66			XRVD
7			XRDO	27			VDD	47			XTS1	67			XRFD
8			XPBV	28			WCK	48			XTS2				
9			XCLR	29			WCK	49			XLD				
10			XCMT	30			WCK	50			XTRU				
11			VSS	31			HNDT	51			THD				
12			XTS3	32			XWZ	52			XVABS				
13			RCK	33			HPLY	53			XGB				
14			CTL2	34			XDO1	54			XBID				
15			XCDN	35			XDO2	55			XFRD				
16			XWE	36			HEE	56			XFRB				
17			XRMA	37			XDT	57			XDGB				
18			XVUP	38			XNOR	58			XGH				
19			XBTM	39			XDOA	59			SPD4				
20			XDOB	40			SPD7	60			SPD3				



CXD1024Q (SONY)
C-MOS TIMING PULSE GENERATOR FOR TBC
— TOP VIEW —

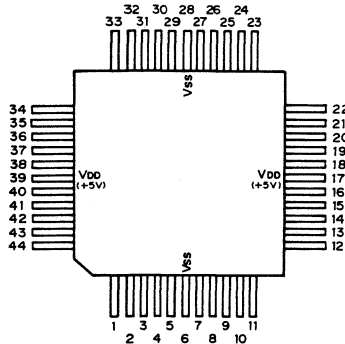


PIN NO./IN/OUT	SYMBOL	PIN NO./IN/OUT	SYMBOL	PIN NO./IN/OUT	SYMBOL	PIN NO./IN/OUT	SYMBOL				
1	—	GND	18	0	ZEROK	35	0	WVCRZ	52	0	SYNOT
2	I	EOHI	19	0	RZERO	36	0	ADVVS	53	0	BFOUT
3	0	EOHO	20	I	ZEROG	37	I	ADVVD	54	0	ESPLD
4	I	BURST	21	0	E14CK	38	I	ADVFL	55	0	HCKOT
5	0	E45FE	22	I	MODE1	39	0	HBLK	56	I	HCKIN
6	0	APCBF	23	I	MODE2	40	I	FH	57	I	NOCON
7	I	APCEN	24	I	UB	41	I	VD	58	0	LALST
8	I	E4FS1	25	I	CNR	42	I	HD	59	0	V SET
9	0	E12SC	26	I	E816	43	I	ALT	60	—	—
10	0	SC	27	—	VDD	44	—	VSS	61	—	VDD
11	—	GND	28	I	TEST	45	I	BLK1	62	I	EXT
12	0	PSC	29	I	EEBOL	46	I	FLDOE	63	I	VR
13	0	REFNI	30	I	EEP8	47	I	SYNC1	64	I	HR
14	0	REFOE	31	I	SV2	48	I	BFIN	65	I	LALTR
15	I	FRB	32	I	SV1	49	I	DOP	66	I	TGC
16	0	RO K	33	I	REC	50	I	RCLP	67	0	EOHD
17	0	HRCR	34	I	AB	51	I	BLKOT			

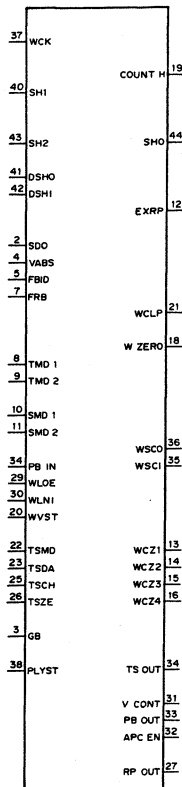


AB ; ADVANCE SYNC V PHASE CONTROL
 ADVFL ; ADVANCE SYNC FIELD O/E OUT
 ADVVD ; ADVANCE SYNC VD OUT
 ADVVS ; ADVANCE SYNC V SET PULSE OUT
 APCBF ; APC BURST FLAG
 APCEN ; APC ENABLE
 BF IN ; BF IN
 BF OUT ; BF OUT
 BLK1 ; BLANKING IN
 BLKOT ; BLANKING OUT
 BURST ; BURST
 DOP ; CLAMP PULSE INHIBIT
 E 12SC ; 1/2 SC OUT
 E 14SC ; 1/4 SC OUT
 E4FS1 ; 4 FSC IN
 E4SFE ; 4/5 FSC OUT
 E 8/16 ; 16/32
 EEBDL ; 8H DELAY
 EEPB ; ADVANCE OFF
 EOHD ; HD
 EOHI ; H IN
 EOHO ; H OUT
 ESPLD ; LINE DO
 EXT ; EXT
 FH ; FH
 FLDOE ; FIELD O/E
 FRB ; FIRST REVERSE BIDIREF
 HBLK ; H BLANKING PULSE
 HCK IN ; HCK IN
 HCK OT ; HCK OUT
 HD ; HD
 HR ; HR
 HRCR ; 1/2 READ CK
 LALST ; LINE ALTERNATE SET
 LALT ; LINE ALTERNATE
 LALTR ; LINE ALTERNATE RESET
 MODE 1 ; MODE 1
 MODE 2 ; MODE 2
 NOCON ; CONF1
 PSC ; PROCESS SC OUT
 RCLP ; READ CLAMP PULSE
 REC ; REC
 REFNI ; REF N/I
 REFOE ; REF O/E
 RCK ; READ CK
 RZERO ; READ ZERO
 SC ; SC OUT
 SV 1 ; SV 1
 SV 2 ; SV 2
 SYNC1 ; SYNC IN
 SYNOT ; SYNC OUT
 TEST ; TEST
 TGC ; TGC
 UB ; Umatic/Betacam
 VD ; VD
 VR ; V RESET
 V SET ; V SET
 WVCRZ ; CHROMA READ ZERO
 ZEROK ; ZERO CK
 ZEROG ; ZERO GATE

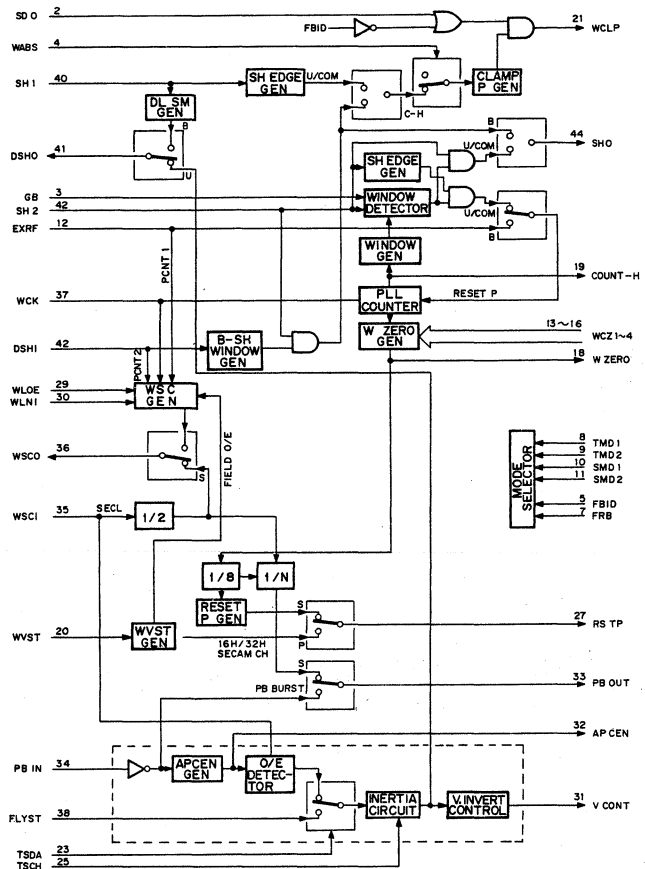
CXD1045Q (SONY)
C-MOS PLL COUNTER FOR TBC (WRITE CLOCK)
— TOP VIEW —



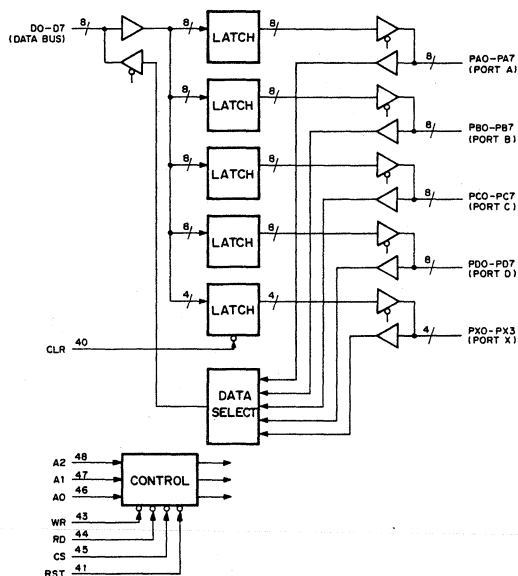
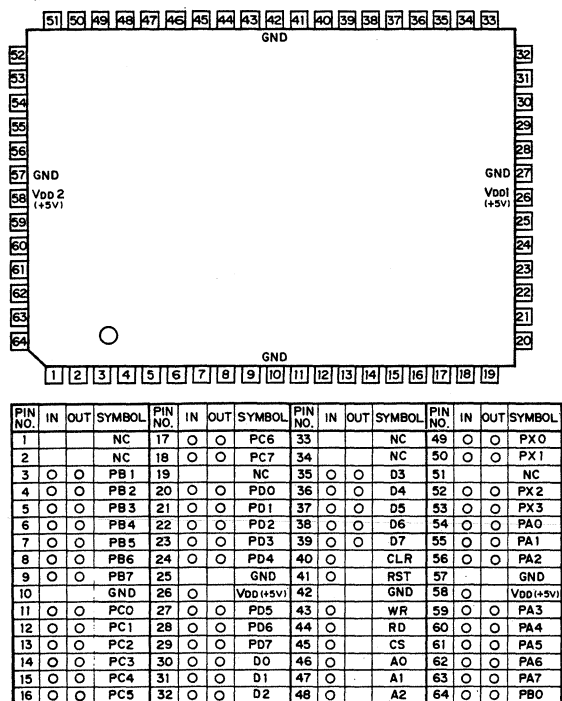
PIN NO./OUT	SYMBOL	PIN NO./OUT	SYMBOL	PIN NO./OUT	SYMBOL	PIN NO./OUT	SYMBOL
1	Vss2	12	EXRP	23	TSDA	34	PBIN
2	SDO	13	WCZ1	24	TSCH	35	WSC1
3	GB	14	WCZ2	25	TSCH	36	WSC0
4	VABS	15	WCZ3	26	TSZE	37	WCK
5	FBID	16	WCZ4	27	RP OUT	38	PLYST
6	Vss	17	Vss	28	Vss	39	Vss
7	FRB	18	WZERO	29	WLOE	40	DSHO
8	TMD 1	19	COUNT H	30	WLNI	41	DSHI
9	TMD 2	20	WVST	31	V CONT	42	DSHI
10	SMD 1	21	WCLP	32	APC EN	43	SH2
11	SMD 2	22	TSMD	33	PBOUT	44	SHO



APC EN ; APC ENABLE
COUNT H ; COUNTER H
DSHI ; DELAYED SH IN
DSHO ; DELAYED SH OUT
EXRP ; EXT RESET PULSE
FBID ; FAST HIDE/REX
FRB ; FAST REVERSE HIDE/REX
GB ; GATED H
PB IN ; PB BURST IN
PB OUT ; PB BURST OUT
PLYST ; PLAY STATUS
RP OUT ; RESET PULSE OUT
SDO ; STRETCHED DOROP OUT
SHO ; SELECTED H OUT
SH1 ; SELECTED H1
SH2 ; SELECTED H2
SMD1 ; S MODE 1
SMD2 ; S MODE 2
TMD1 ; T MODE 1
TMD2 ; T MODE 2
TSCH ; TEST COUNTER H
TSDA ; TEST DATA IN
TSMD ; TEST MODE
TSOUT ; TEST OUT
TSZE ; TEST W ZERO
VABS ; VIDEO ABSENT
V CONT ; V AXIS CONTROL
WCK ; WRITE CLOCK
WCLP ; WRITE CLAMP PULSE
WCZ1 ; WRITE ZERO CONTROL 1
WCZ2 ; WRITE ZERO CONTROL 2
WCZ3 ; WRITE ZERO CONTROL 3
WCZ4 ; WRITE ZERO CONTROL 4
WLNI ; WRITE LINE N/I
WLOE ; WRITE LINE O/E
WSC1 ; WRITE SC IN
WSC0 ; WRITE SC OUT
WVST ; WRITE V SET
WZERO ; WRITE ZERO



CXD1095Q (SONY) FLAT PACKAGE
C-MOS I/O PORT EXPANDER
— TOP VIEW —

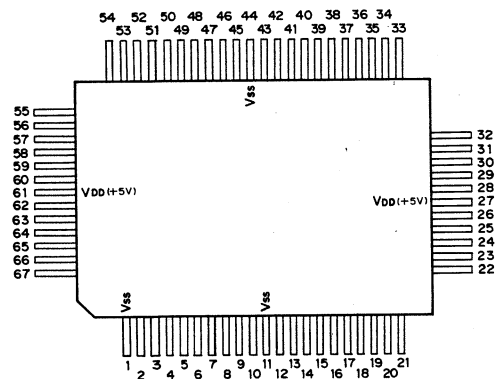


		PA0	24	CS	RD	WR	A2	A1	A0	MODE	
		PA1	25		0	0	1	0	0	0	PORT A → DATA BUS
		PA2	26		0	0	1	0	0	1	PORT B → DATA BUS
		PA3	29		0	0	1	0	1	0	PORT C → DATA BUS
		PA4	30		0	0	1	0	1	1	PORT D → DATA BUS
		PA5	31		0	0	1	1	0	0	PORT X → DATA BUS
		PA6	32		0	0	1	1	0	1	—
		PA7	33		0	0	1	1	1	0	—
					0	0	1	1	1	1	—
		PB0	64		0	0	1	1	1	1	—
		PB1	3		0	1	0	0	0	0	DATA BUS → PORT A
		PB2	4		0	1	0	0	0	1	DATA BUS → PORT B
		PB3	5		0	1	0	0	1	0	DATA BUS → PORT C
		PB4	6		0	1	0	0	1	1	DATA BUS → PORT D
		PB5	7		0	1	0	1	0	0	DATA BUS → PORT X
		PB6	8		0	1	0	1	0	1	—
		PB7	9		0	1	0	1	0	1	—
					0	1	0	1	1	0	DATA BUS → CTL REG. 1
					0	1	0	1	1	1	DATA BUS → CTL REG. 2
					1	X	X	X	X	X	DATA BUS; HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z, HIGH IMPEDANCE

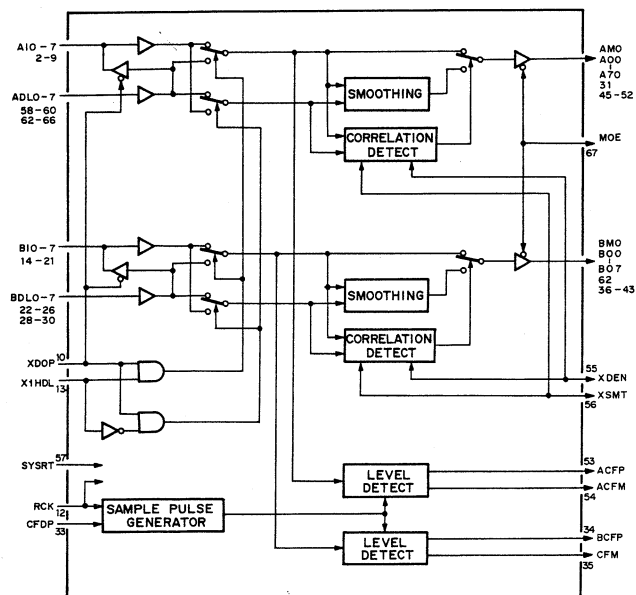
DO-D7; DATA BUS INPUTS/OUTPUTS
CS; CHIP SELECT INPUT
RD; READ STROBE INPUT
WR; WRITE STROBE INPUT
AO-A2; ADDRESS INPUT
RST; RESET INPUT
CLR; CLEAR INPUT
PA0-PA7; PORT A INPUTS/OUTPUTS
PB0-PB7; PORT B INPUTS/OUTPUTS
PC0-PC7; PORT C INPUTS/OUTPUTS
PD0-PD7; PORT D INPUTS/OUTPUTS
PX0-PX3; PORT X INPUTS/OUTPUTS

CXD1131Q (SONY)
C-MOS GATE ARRAY
— TOP VIEW —

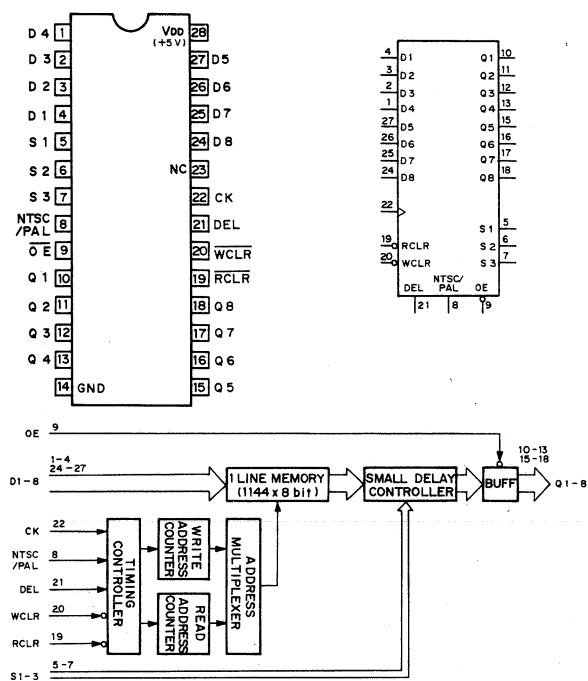


PIN NO	I/O	SYMBOL	PIN NO	I/O	SYMBOL	PIN NO	I/O	SYMBOL	PIN NO	I/O	SYMBOL
1	—	Vss	18	I	BI 3	35	O	BCFM	52	O	ACFP
2	I	A17	19	I	BI 2	36	O	BO 0	53	O	ACFP
3	I	A16	20	I	BI 1	37	O	BO 1	54	O	ACFM
4	I	A15	21	I	BI 0	38	O	BO 2	55	I	XDEN
5	I	A14	22	I	BDL 0	39	O	BO 3	56	I	XSMT
6	I	A13	23	I	BDL 1	40	O	BO 4	57	I	SYSRT
7	I	A12	24	I	BDL 2	41	O	BO 5	58	I	ADL 7
8	I	A11	25	I	BDL 3	42	O	BO 6	59	I	ADL 6
9	I	A10	26	I	BDL 4	43	O	BO 7	60	I	ADL 5
10	I	XDOP	27	—	VDD	44	—	Vss	61	—	VDD
11	—	Vss	28	I	BDL 5	45	O	A00	62	I	ADL 4
12	I	RCK	29	I	BDL 6	46	O	A10	63	I	ADL 3
13	I	X1HDL	30	I	BDL 7	47	O	A20	64	I	ADL 2
14	I	BI7	31	O	AMO	48	O	A30	65	I	ADL 1
15	I	BI6	32	O	BMO	49	O	A40	66	I	ADLO
16	I	BI5	33	I	CFDP	50	O	A50	67	I	HOE
17	I	BI4	34	O	BCFP	51	O	A60			

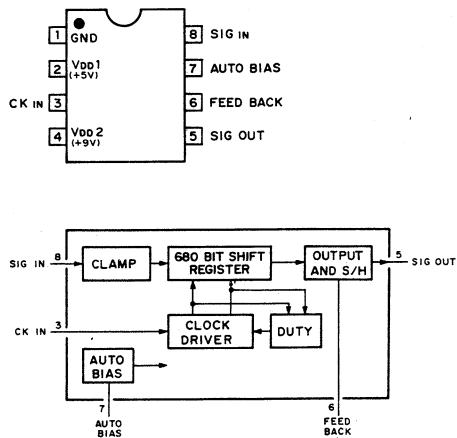
ACFM ;A-ch COLOR FRAME ID MINUS
ACFP ;A-ch COLOR FRAME ID PLUS
ADLO 7 ;A-ch 1H DELAYED INPUT DATA 2°~27
AIO 7 ;A-ch INPUT DATA 2°~27
AMO ;A-ch OUTPUT DATA 2
A00 A70 ;A-ch OUTPUT DATA 2°~27
BCFM ;B-ch COLOR FRAME ID MINUS
BCFP ;B-ch COLOR FRAME ID PLUS
BDLO 7 ;B-ch 1H DELAYED INPUT DATA 2°~27
BIO 7 ;B-ch INPUT DATA 2°~27
BOO 7 ;B-ch OUTPUT DATA 2°~27
BMO ;B-ch OUTPUT DATA 2
CFDP ;COLOR FRAME ID DETECT PULSE
HOE ;H; OUTPUT ENABLE
RCK ;READ CK
SYSRT ;SYSTEM RESET
X DEN ;CORRELATION DETECT ENABLE
X DOP ;DROP OUT PULSE
X SMT ;SMOOTHING
X1HDL ;1HDL SELECT



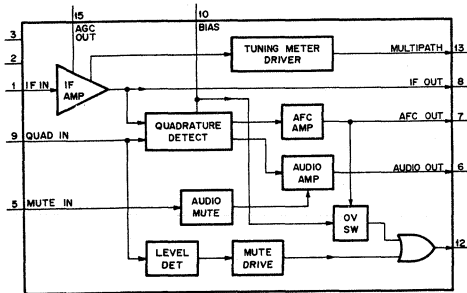
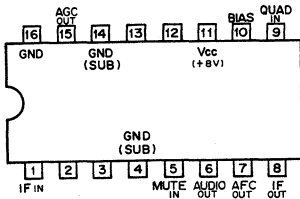
CXK1202S (SONY)
C-MOS DIGITAL DELAY LINE
— TOP VIEW —



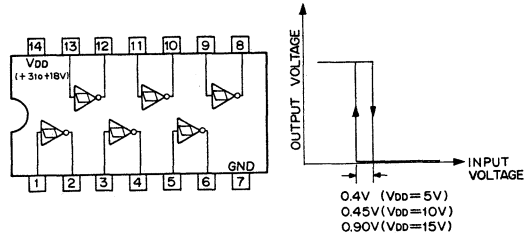
CXL5001M (SONY) FLAT PACKAGE
C-MOS CCD FOR NTSC 1H DELAY LINE
— TOP VIEW —



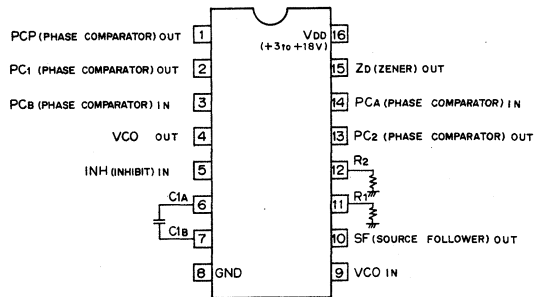
HA12411 (HITACHI)
FM IF AMPLIFIER
QUADRATURE DETECT
AUDIO AMPLIFIER
MUTING
AFC
AGC
TUNING METER DRIVER



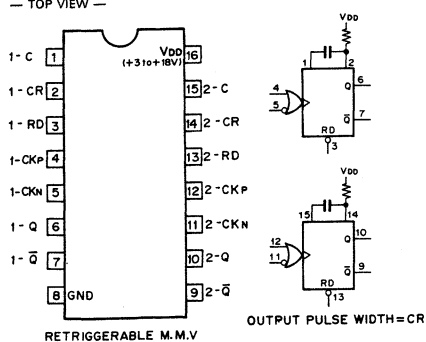
HD145848FP (HITACHI) FLAT PACKAGE
C-MOS SCHMITT TRIGGER INVERTER
— TOP VIEW —



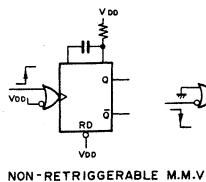
HD14046BP (HITACHI)
MC14046BCP (MOTOROLA)
C-MOS PHASE LOCKED LOOP
— TOP VIEW —



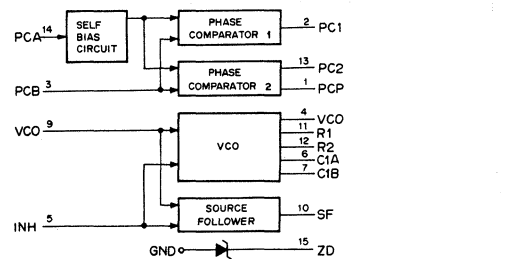
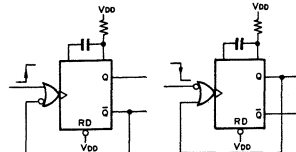
HD145388FP (HITACHI) FLAT PACKAGE
MC14538BCP (MOTOROLA)
TC4538BF (TOSHIBA) FLAT PACKAGE
TC4538BP (TOSHIBA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE
MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



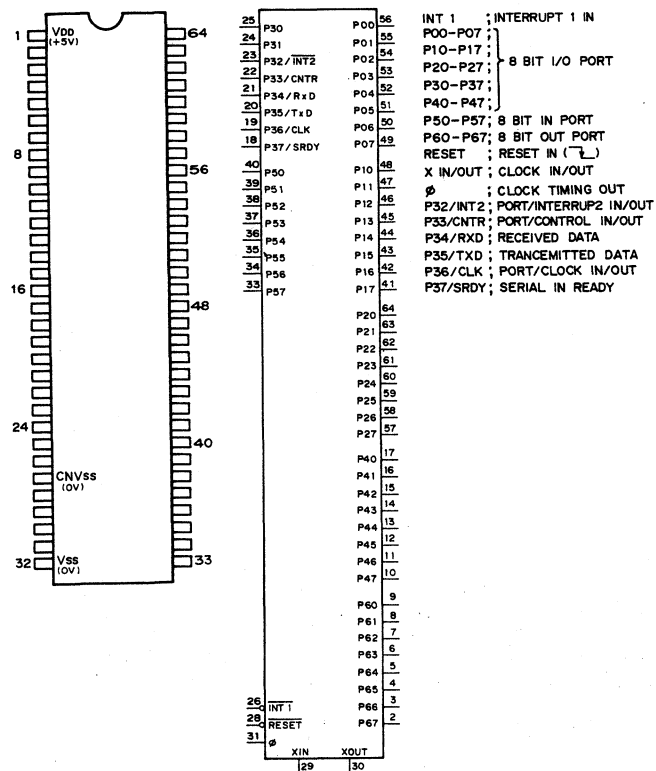
RETRIGGERABLE M.M.V



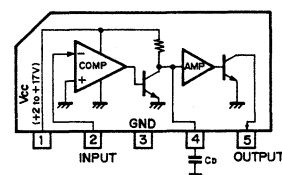
NON-RETRIGGERABLE M.M.V



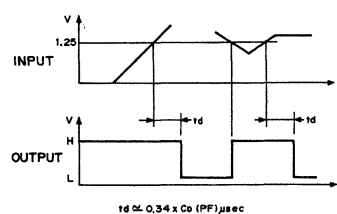
M50747-XXXSP
C-MOS PROCESS 8-BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



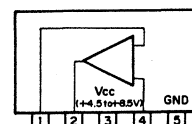
M51958BL (MITSUBISHI)
VOLTAGE DETECT DELAY
— PRINTED SIDE VIEW —



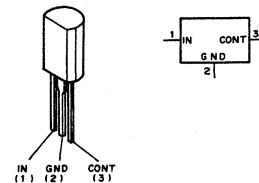
TIMING CHART



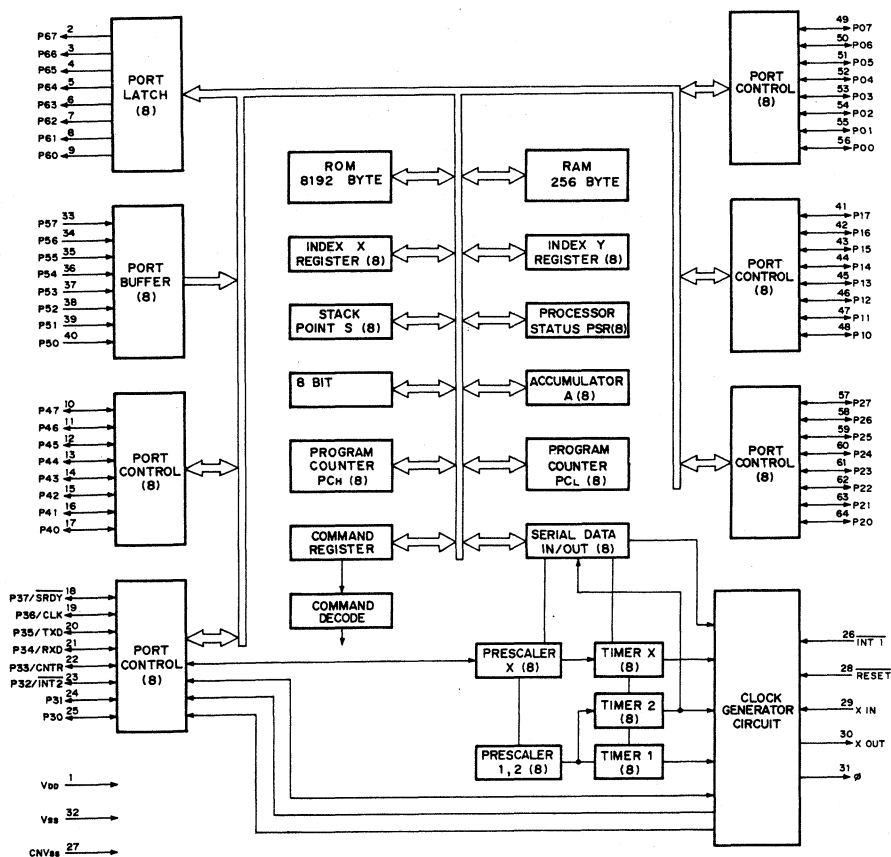
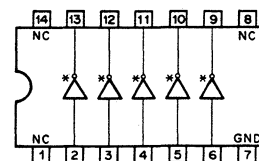
M5215L (MUTSUBISHI)
FM IF AMPLIFIER
— REAR VIEW —



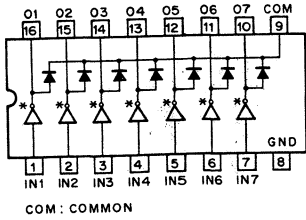
M5236L (MITSUBISHI)
ADJUSTABLE VOLTAGE REGULATOR



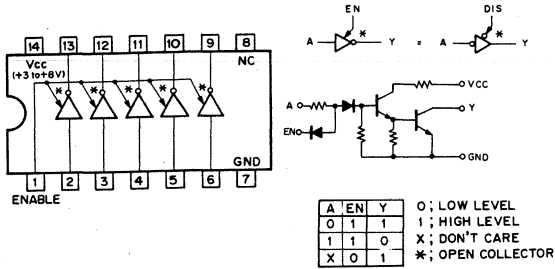
M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
— TOP VIEW —



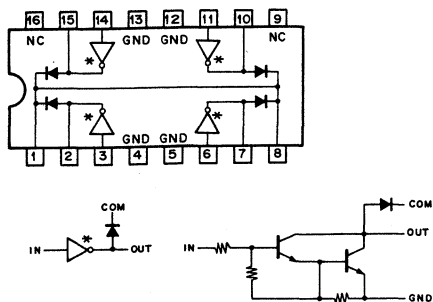
M54523P (MITSUBISHI)
BIPOLAR TRANSISTOR ARRAY WITH OPEN COLLECTOR
— TOP VIEW —



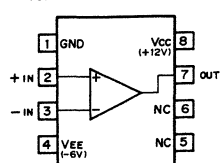
M54529AP (MITSUBISHI)
TRANSISTOR ARRAY
— TOP VIEW —



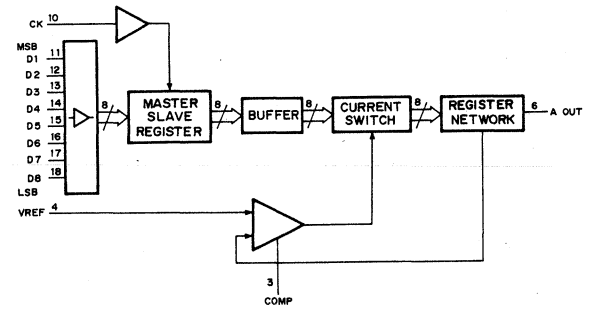
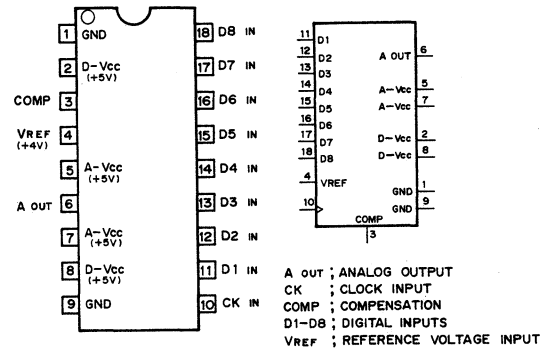
M54532P (MITSUBISHI)
DARLINGTON TRANSISTOR ARRAY WITH CLAMP DIODE
— TOP VIEW —



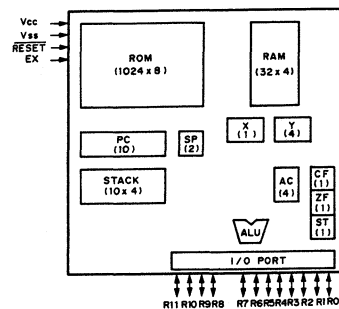
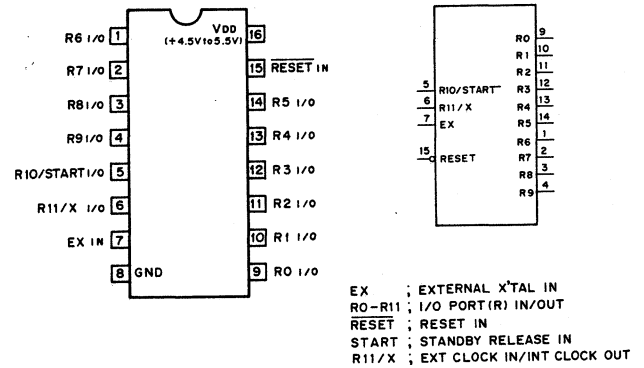
MB4002PF (FUJITSU) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



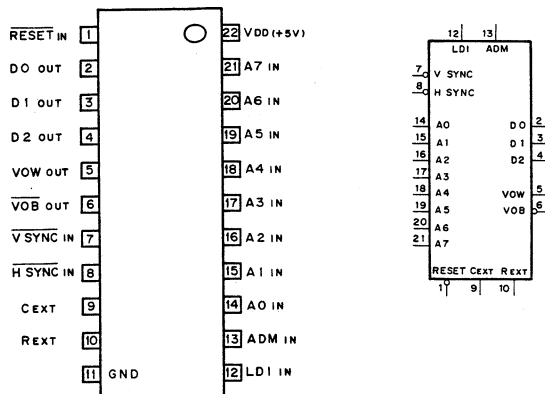
MB40778P (FUJITSU)
8-BIT VIDEO D/A CONVERTER
— TOP VIEW —



MB88201H-539N (FUJITSU)
C-MOS 4 BIT MICROCOMPUTER
— TOP VIEW —

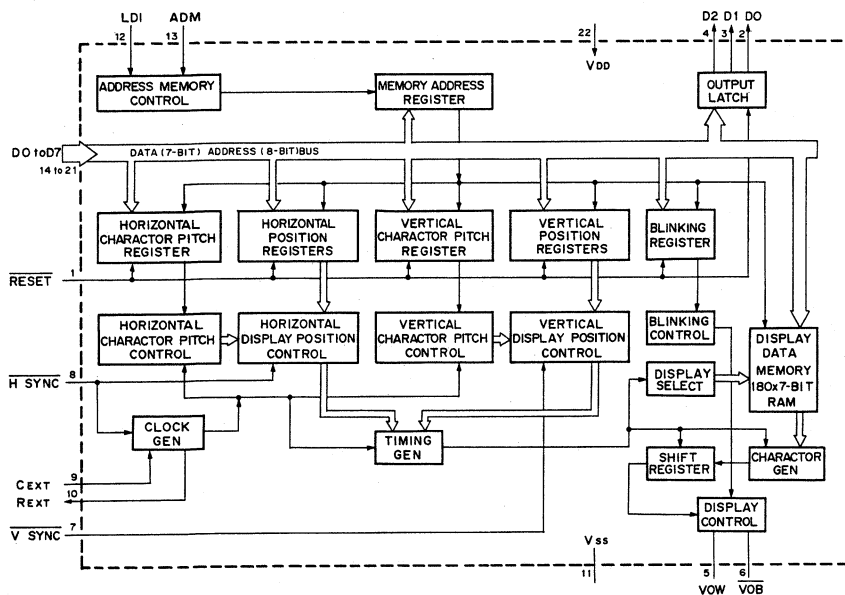


MB88303 (FUJITSU)
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
— TOP VIEW —

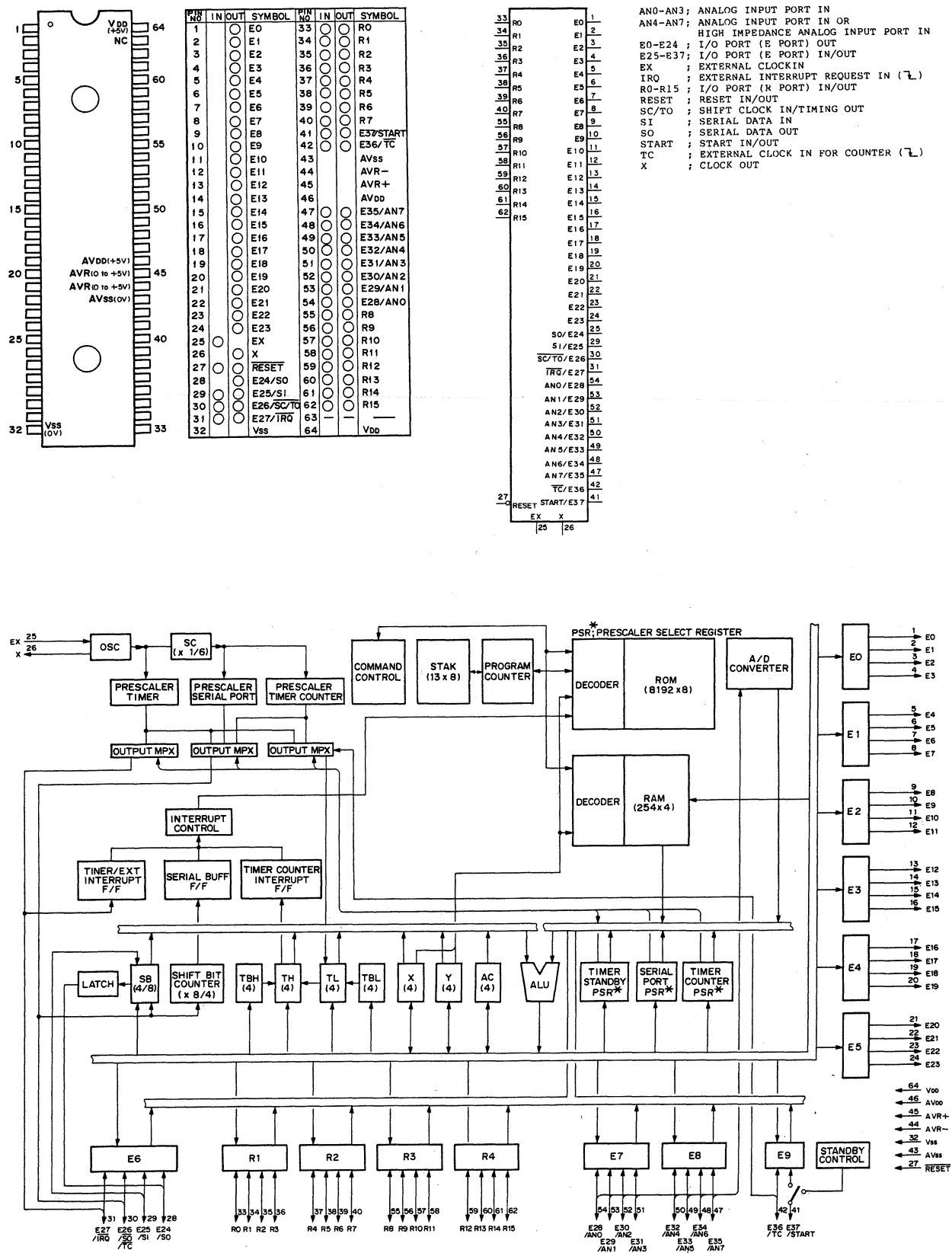


b3-b0	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
b5-b4	00	A	B	C	D	E	F	G	H	I	J	K	L	M	.	BLANK
01	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	:	■	(
10	0	1	2	3	4	5	6	7	8	9	?	!	'	.	BACK)
11	↑	↓	←	→	+	-	*	/	=	&						

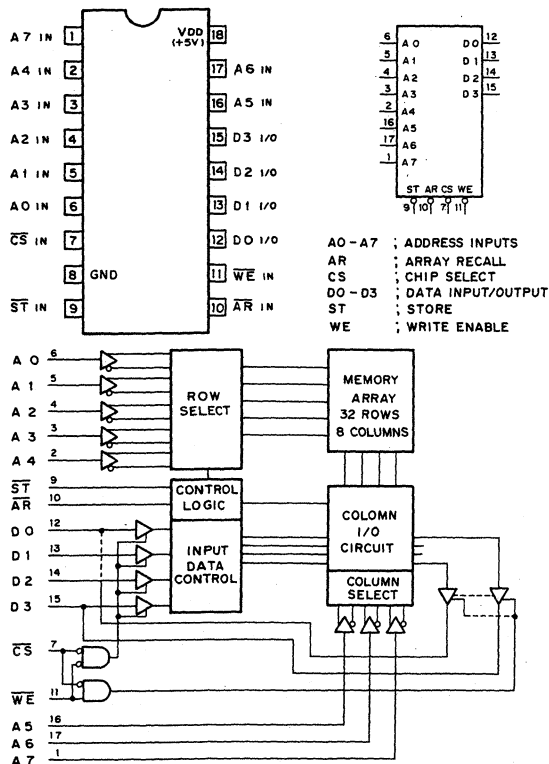
ADM : ADDRESS INCREMENT MODE
A0 to A7 : ADDRESS INPUT
D0 to D2 : DATA OUTPUT
CEXT : EXT CAPACITOR FOR OSC
LD1 : LOAD DATA AND INSTRUCTION
VOB : VIDEO BLACK OUT
VOW : VIDEO WHITE OUT
REXT : EXT RESISTOR FOR OSC



MB88515B-280M (FUJITSU)
C-MOS 4 BIT ONE-CHIP MICROCOMPUTER WITH MULTI I/O AND 8 BIT A/D CONVERTER
— TOP VIEW —



MBM2212-20P (FUJITSU) (ACCESS TIME = 200nS)
N-MOS 1024 (256x4)-BIT NONVOLATILE STATIC RAM
— TOP VIEW —



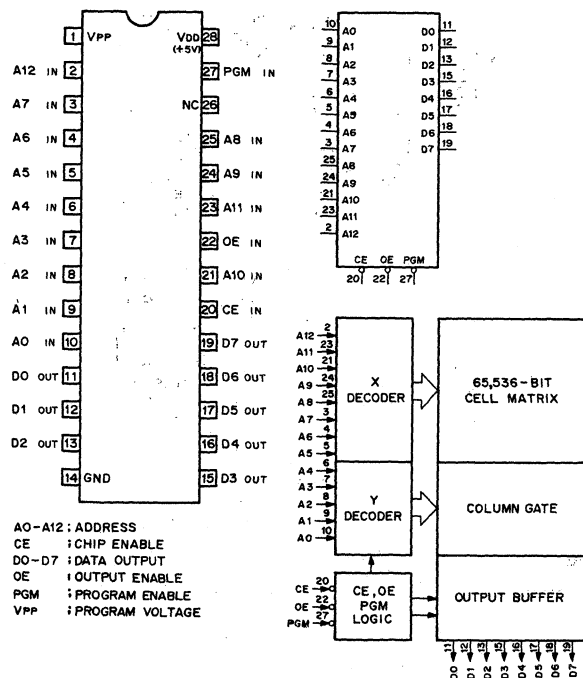
INPUTS				I/O	MODE
CS	WE	AR	ST		
1	X	1	1	HI-Z	NOT SELECTED
0	1	1	1	OUTPUT DATA	RAM READ
0	0	1	1	INPUT DATA 1	RAM WRITE "1"
0	0	1	1	INPUT DATA 0	RAM WRITE "0"
X	1	0	1	HI-Z	ARRAY RECALL
1	X	0	1	HI-Z	ARRAY RECALL
X	1	1	0	HI-Z	NONVOLATILE STORING
1	X	1	0	HI-Z	NONVOLATILE STORING

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE

An	CE	OE	Vpp	Dn	FUNCTION
An	0	0	+5V	D OUT	READ
An	0	1	+5V	HI-Z	OUTPUT DISABLE
X	1	X	+5V	HI-Z	STANDBY
An	0	1	+21V	D IN	PGM
An	0	0	+21V	D OUT	PGM VERIFY
X	1	X	+21V	HI-Z	PGM INH

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE

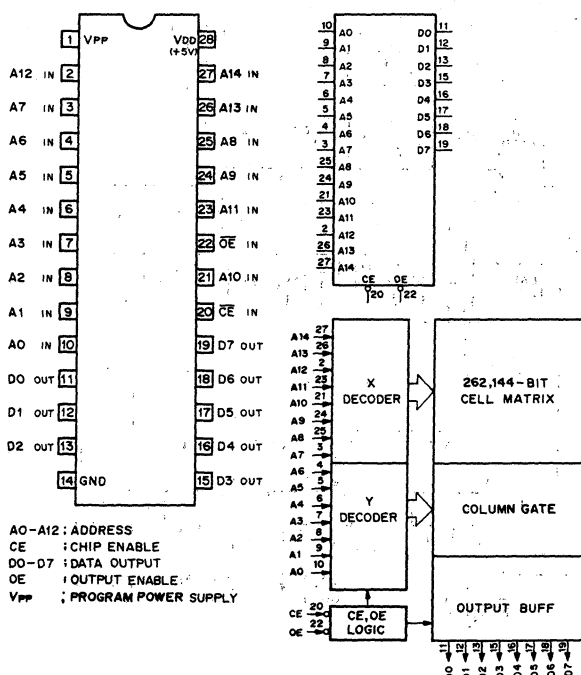
MBM2764-25 (FUJITSU) (ACCESS TIME = 250 nS)
N-MOS 64K (8Kx8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



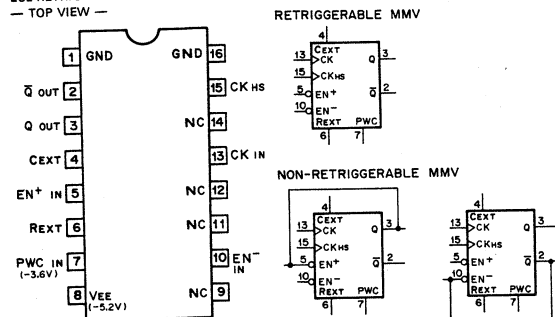
An	CE	OE	PGM	Vpp	Dn	FUNCTION
An	0	0	1	+5V	DENTERED	READ
An	0	1	1	+5V	HI-Z	OUTPUT DISABLE
An	0	0	0	+5V	HI-Z	OUTPUT DISABLE
X	1	X	X	+5V	HI-Z	STANDBY
An	0	X	1	+21V	D IN	PGM
An	0	0	1	+21V	DENTERED	PGM VERIFY
X	1	X	X	+21V	HI-Z	PGM INH

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE

MBM27C256-25 (FUJITSU) (ACCESS TIME = 250 nS)
C-MOS 256K (32Kx8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



MC10198L (MOTOROLA)
ECL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR



CK : CLOCK TRIGGER INPUT
CKHS: HIGH-SPEED CLOCK TRIGGER INPUT
EN+ : TRIGGER POSITIVE ENABLE
EN- : TRIGGER NEGATIVE ENABLE
PWC : EXTERNAL PULSE WIDTH CONTROL

FUNCTION TABLE

EN+ EN-	TRIG. SLOPE
0 0	0
0 1	1
1 0	0
1 1	DISABLE

0; LOW LEVEL
1; HIGH LEVEL

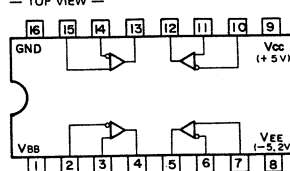
OUTPUT PULSE WIDTH: PWQ
PWQ = $1.19 \cdot CEXT (REXT + 284)$

WHERE

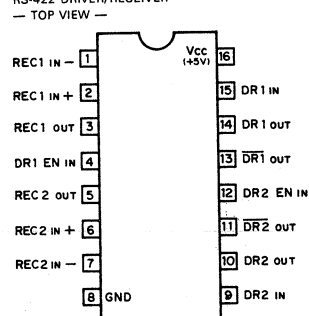
PWQ = SEC
CEXT = FARADS
REXT = OHMS
VEE = -5.2V
PWC = -3.6V

NOTE: SELECT REXT RANGING FROM ZERO TO 16K OHMS.
SELECT CEXT GREATER THAN 20PF.

MC10H125M (MOTOROLA) FLAT PACKAGE
ECL ECL-TO-TTL TRANSLATOR



MC34051P (MOTOROLA)
RS-422 DRIVER/RECEIVER

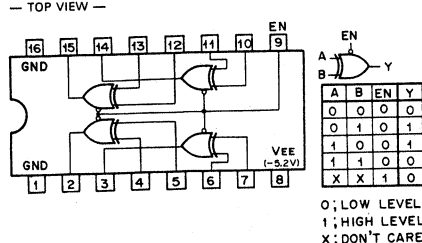


DR EN	MODE
0	DISABLE
1	ENABLE

0; LOW LEVEL
1; HIGH LEVEL

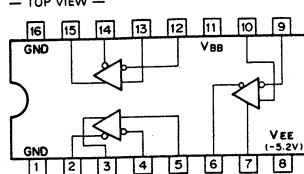
DR : DRIVER
DR EN : DRIVER ENABLE
REC : RECEIVER

MC10H113M (MOTOROLA) FLAT PACKAGE
ECL EXCLUSIVE OR GATE

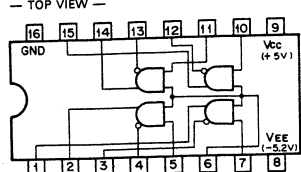


0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

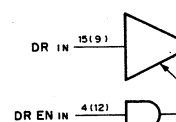
MC10H116M (MOTOROLA) FLAT PACKAGE
ECL DIFFERENTIAL OR/NOR LINE RECEIVER



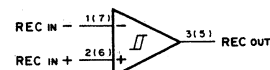
MC10H124M (MOTOROLA) FLAT PACKAGE
ECL TTL-TO-ECL TRANSLATOR



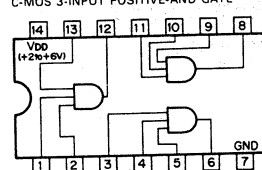
DRIVER CIRCUIT



RECEIVER CIRCUIT



MC74HC11F (MOTOROLA) FLAT PACKAGE
TC74HC11P (TOSHIBA)
C-MOS 3-INPUT POSITIVE-AND GATE

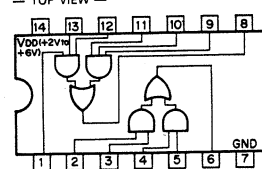


$$Y = A \cdot B \cdot C = \overline{A + B + C}$$

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL

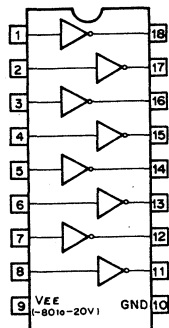
MC74HC58N (MOTOROLA)
CMOS 2-WIDE 2-INPUT/3-INPUT AND-OR GATE



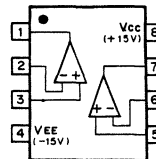
$$Y = A \cdot B + C \cdot D$$

$$Y = A \cdot B \cdot C + D \cdot E \cdot F$$

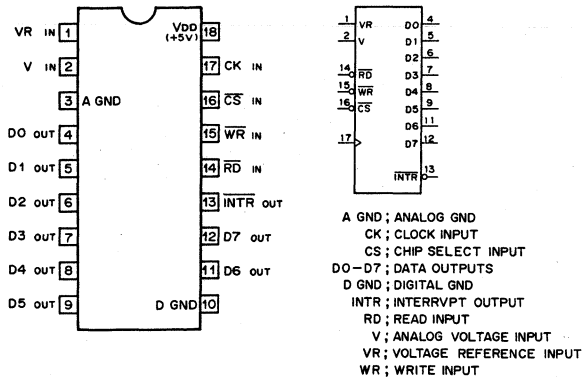
MSL917RS (OKI)
VACUUM FLUORESCENT DISPLAY DRIVER
— TOP VIEW —



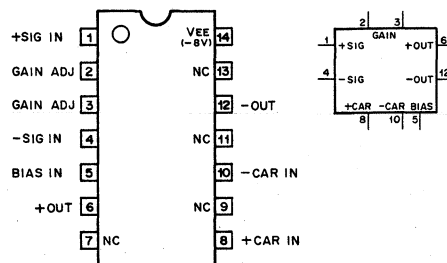
NJM082M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



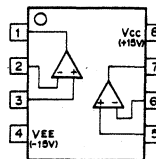
MSM5204ARS (OKI)
C-MOS 8 BIT ANALOG TO DIGITAL CONVERTER
— TOP VIEW —



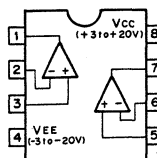
NJM1496M (JRC) FLAT PACKAGE
BALANCED MODULATOR/DEMODULATOR
— TOP VIEW —



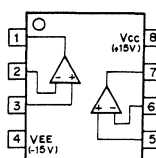
NJM2041M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



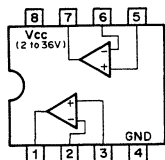
NE5532P (TI)
LOW NOISE OPERATIONAL AMPLIFIER
— TOP VIEW —



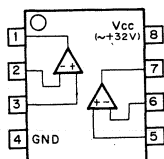
NJM2043M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



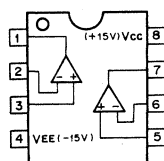
NJM2903D (JRC)
 NJM2903M (JRC) FLAT PACKAGE
 uPC393G2 (NEC) FLAT PACKAGE
 VOLTAGE COMPARATOR
 — TOP VIEW —



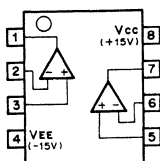
NJM4556D (JRC)
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



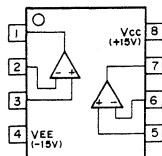
NJM4558D (JRC)
 NJM4558D-FA (JRC)
 NJM4558M (JRC) FLAT PACKAGE
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



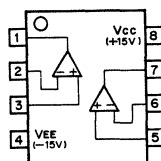
NJM4560DD (JRC)
 NJM4560M (JRC) FLAT PACKAGE
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



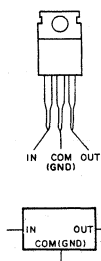
NJM4562D-D (JRC)
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



NJM5532M (JRC) FLAT PACKAGE
 OPERATIONAL AMPLIFIER
 — TOP VIEW —



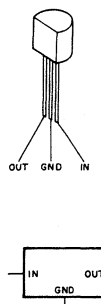
NJM78??A (JRC)
 POSITIVE VOLTAGE REGULATOR (1A)
 — SIDE VIEW —



OUTPUT VOLTAGE	AN78??	FS78??	HA178??P	L78??	NJM78??B	NJM78??A/K
+5V	AN7805	FS7805	HA17805P	L7805	-----	NJM7805A/K
+6V	AN7806	-----	HA17806P	-----	-----	NJM7806A/K
+7V	AN7807	-----	HA17807P	L7807	-----	-----
+8V	AN7808	-----	HA17808P	-----	-----	NJM7808A/K
+8.5V	-----	-----	-----	-----	-----	-----
+9V	AN7809	-----	-----	-----	-----	NJM7809A/K
+10V	AN7810	-----	-----	-----	-----	-----
+12V	AN7812	FS7812	HA17812P	-----	NJM7812B	NJM7812A/K
+15V	AN7815	FS7815	HA17815P	-----	-----	NJM7815A/K
+18V	AN7818	-----	HA17818P	-----	-----	NJM7818A/K
+20V	AN7820	-----	-----	-----	-----	NJM7820A/K
+24V	AN7824	FS7824	HA17824P	-----	-----	NJM7824A/K

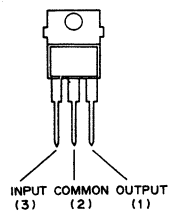
OUTPUT VOLTAGE	uA78??UC	uPC143??H	uPC78??H	TA78??P/AP
+5V	uA7805UC	uPC14305H	uPC7805H	TA78005P/AP
+6V	uA7806UC	-----	-----	TA78006P/AP
+7V	-----	-----	-----	-----
+8V	uA7808UC	uPC14308H	uPC7808H	TA78008P/AP
+8.5V	uA7885UC	-----	-----	TA78009P/AP
+9V	-----	-----	-----	TA78010P/AP
+10V	-----	-----	-----	-----
+12V	uA7812UC	uPC14312H	uPC7812H	TA78012P/AP
+15V	uA7815UC	uPC14315H	uPC7815H	TA78015P/AP
+18V	uA7818UC	uPC14318H	uPC7818H	TA78018P/AP
+20V	-----	-----	-----	TA78020P/AP
+24V	uA7824UC	uPC14324H	uPC7824H	TA78024P/AP

NJM78L??A (NEC)
 POSITIVE VOLTAGE REGULATOR (100mA)

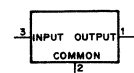


OUTPUT VOLTAGE	NJM78L??A	uA78L??ACL	uA78L??AWV	uPC78L??J	AN78L??
+2.6V	NJM78L02A	uA78L02ACL	uA78L26AWV	-----	-----
+4V	-----	-----	-----	-----	AN78L04
+5V	NJM78L05A	uA78L05ACL	uA78L05AWV	uPC78L05J	AN78L05
+6V	NJM78L06A	-----	-----	-----	AN78L06
+6.2V	-----	uA78L06ACL	uA78L62AWV	-----	-----
+7V	-----	-----	-----	-----	AN78L07
+8V	NJM78L08A	uA78L08ACL	-----	uPC78L08J	AN78L08
+8.2V	-----	-----	uA78L82AWV	-----	-----
+9V	NJM78L09A	uA78L09ACL	uA78L09AWV	-----	AN78L09
+10V	-----	uA78L10ACL	-----	uPC78L10J	AN78L10
+12V	NJM78L12A	uA78L12ACL	uA78L12AWV	uPC78L12J	AN78L12
+15V	NJM78L15A	uA78L15ACL	uA78L15AWV	uPC78L15J	AN78L15
+18V	NJM78L18A	-----	uA78L18AWV	-----	AN78L18
+20V	NJM78L20A	-----	-----	-----	AN78L20
+24V	NJM78L24A	-----	uA78L24AWV	-----	AN78L24

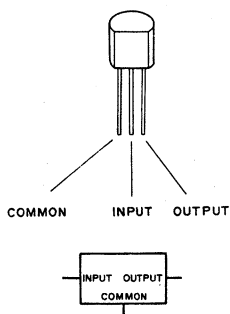
NJM78M ??A (JRC)
POSITIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —



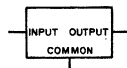
5V	NJM78M05A
6V	NJM78M06A
8V	NJM78M08A
9V	NJM78M09A
12V	NJM78M12A
15V	NJM78M15A
18V	NJM78M18A
20V	NJM78M20A
24V	NJM78M24A



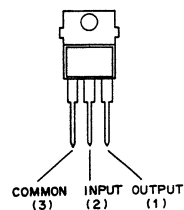
NJM79L ??A (JRC)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —



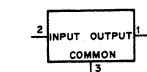
OUTPUT VOLTAGE	NJM79LPPA
-3V	NJM79L03A
-4V	
-5V	NJM79L05A
-6V	NJM79L06A
-7V	
-8V	NJM79L08A
-9V	NJM79L09A
-10V	
-12V	NJM79L12A
-15V	NJM79L15A
-18V	NJM79L18A
-20V	
-24V	NJM79L24A



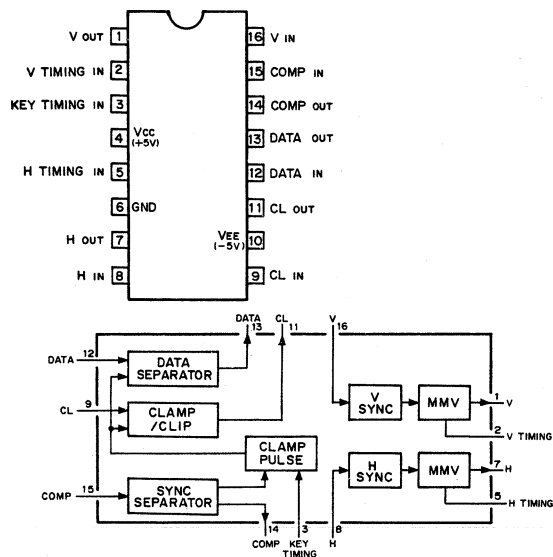
NJM79M ??A (JRC)
NEGATIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —



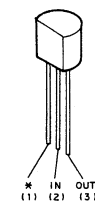
-5V	NJM79M05A
-6V	NJM79M06A
-8V	NJM79M08A
-9V	NJM79M09A
-12V	NJM79M12A
-15V	NJM79M15A
-18V	NJM79M18A
-24V	NJM79M24A



PA0009 (PIONEER)
SIGNAL SEPARATOR
— TOP VIEW —

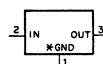


S-802?? (SEIKO I AND E)
C-MOS VOLTAGE REGULATOR

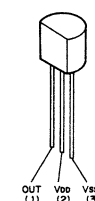


* S-802PP → V_{DD}
S-812PP → V_{SS}

OUTPUT VOLTAGE	S-802PP S-812PP
-3V	S-80230AG
-5V	S-80250AG
+3V	S-81230AG
+5V	S-81250AG
+5V	S-81250HG

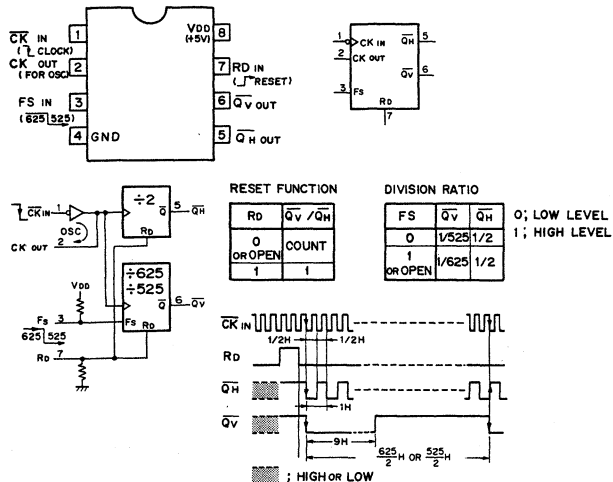


S-805 ?? (SEIKO I AND E)
VOLTAGE DETECTOR

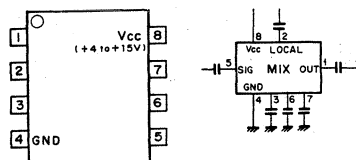


DETECTION RANGE (V)	S-805??
1.00 - 1.10	S-8051 ANB
1.10 - 1.20	S-8051 ANR
2.00 - 2.20	S-8052 ALB
2.20 - 2.40	S-8052 ALR
2.40 - 2.60	S-8052 ALO
2.60 - 2.80	S-8052 ALY
2.80 - 3.10	S-8053 ALB
2.90 - 3.10	S-8053 HLB
3.10 - 3.40	S-8053 ALR
3.25 - 3.405	S-8053 ALR-U
3.80 - 4.20	S-8054 HN
4.00 - 4.30	S-8054 ALB
4.30 - 4.60	S-8054 ALR
4.60 - 4.90	S-8054 ALO
4.90 - 5.20	S-8054 ALY

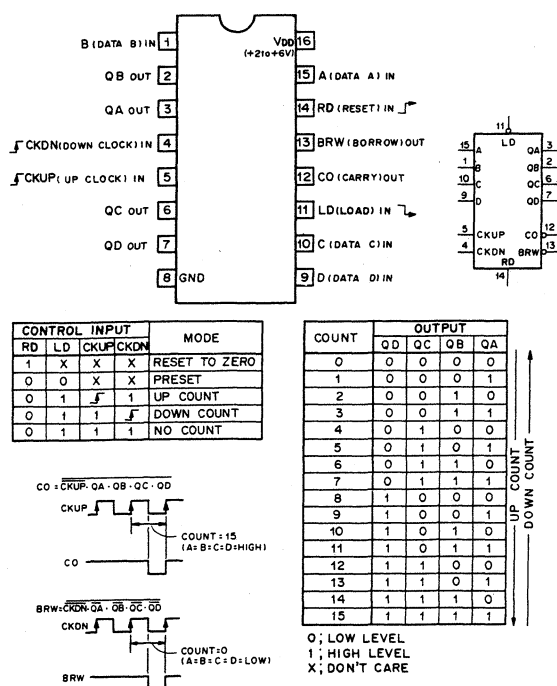
SM6430C (NPC)
C-MOS OSC, 1/2 AND 1/525 OR 1/625 DIVIDER
— TOP VIEW —



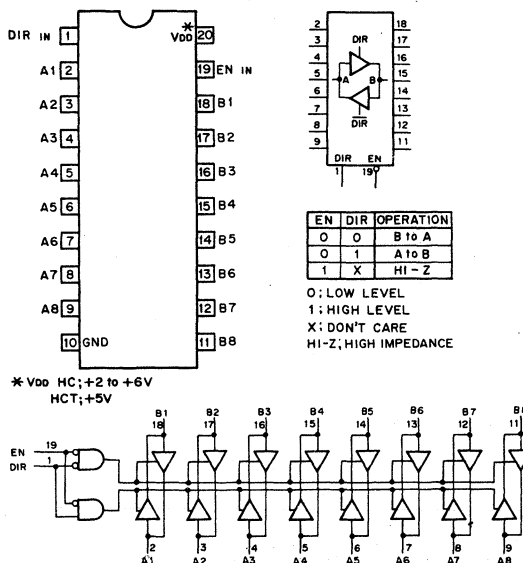
SN16913P (TI)
BALANCED MIXER
— TOP VIEW —



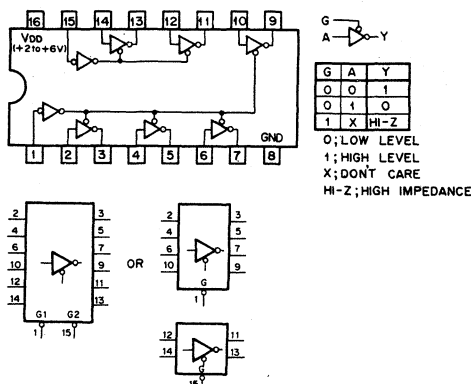
SN74HC193NS (TI) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT UP/DOWN COUNTER
— TOP VIEW —



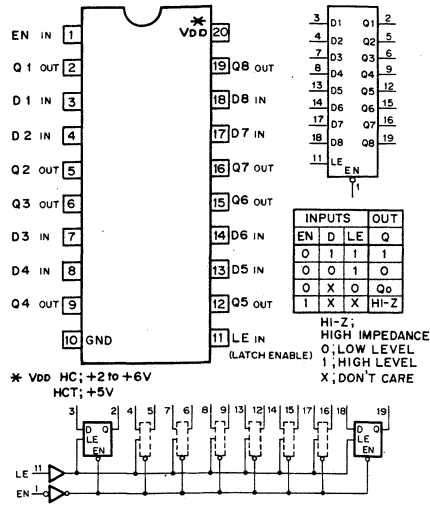
SN74HC245NS (TI) FLAT PACKAGE
TC74HC245P (TOSHIBA)
C-MOS BILATERAL BUS TRANSCEIVERS WITH 3-STATE OUTPUT
— TOP VIEW —



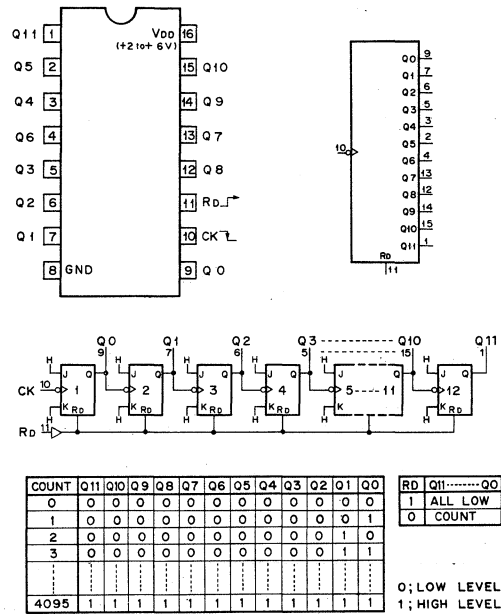
SN74HC368NS (TI) FLAT PACKAGE
C-MOS BUS INVERTER WITH 3-STATE OUTPUTS
— TOP VIEW —



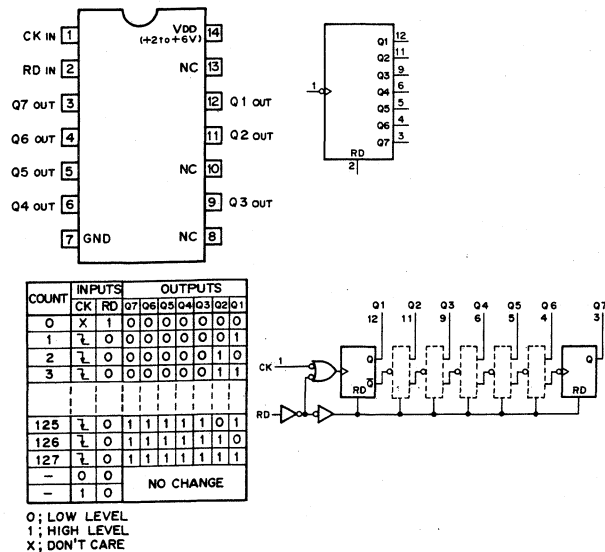
SN74HC373NS (TI) FLAT PACKAGE
TC74HC373P (TOSHIBA)
C-MOS 3-STATE OUTPUTS OCTAL LATCHES
— TOP VIEW —



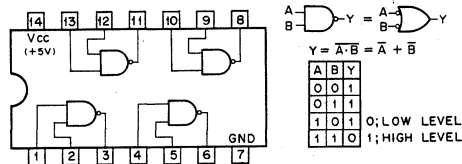
SN74HC4040NS (TI) FLAT PACKAGE
C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER
— TOP VIEW —



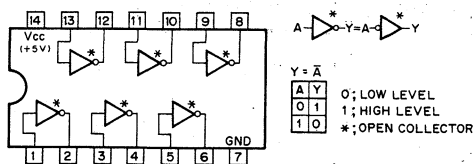
SN74HC4024NS (TI) FLAT PACKAGE
C-MOS 7-BIT BINARY COUNTERS



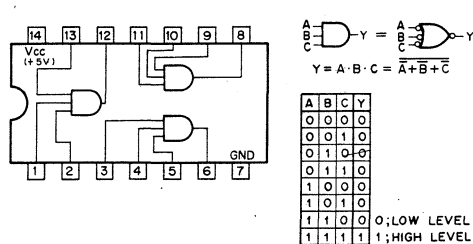
SN74LS00NS (TI) FLAT PACKAGE
TTL 2-INPUT POSITIVE-NAND GATE
— TOP VIEW —



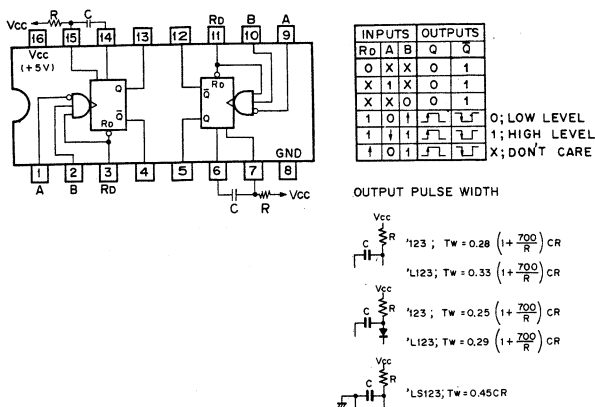
SN74LS06N (TI)
SN74LS06NS (TI) FLAT PACKAGE
TTL INVERTER BUFFER/DRIVER WITH OPEN-COLLECTOR
— TOP VIEW —



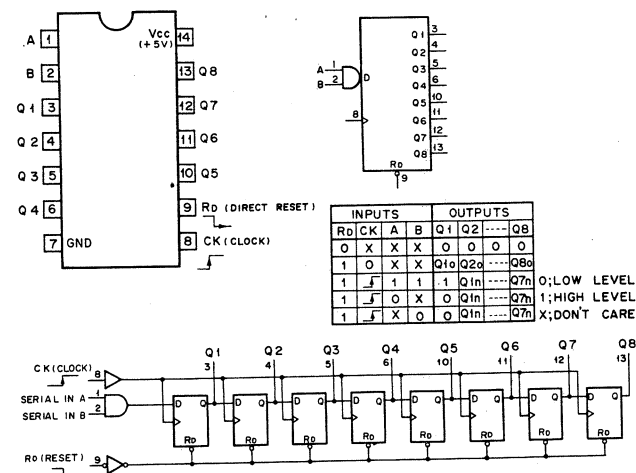
SN74LS11NS (TI) FLAT PACKAGE
TTL 3-INPUT POSITIVE-AND GATE
— TOP VIEW —



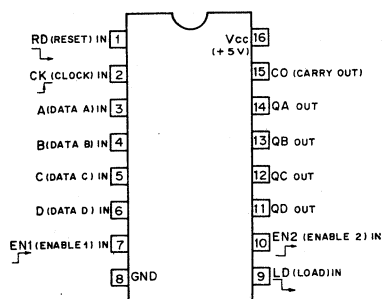
SN74LS123N (TI)
SN74LS123NS (TI) FLAT PACKAGE
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET
— TOP VIEW —



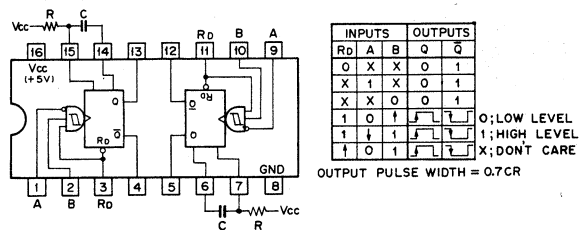
SN74LS164NS (TI) FLAT PACKAGE
TTL 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTER
— TOP VIEW —



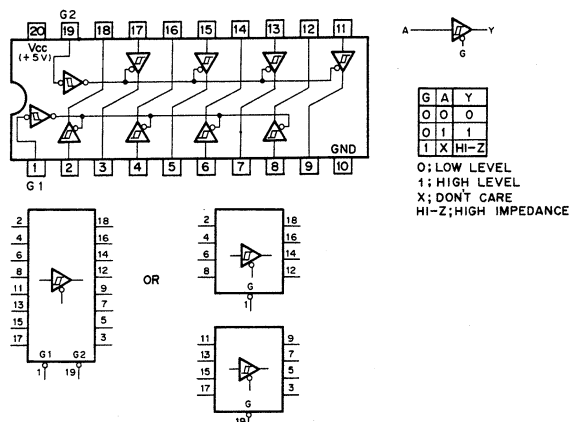
SN74LS163ANS (TI) FLAT PACKAGE
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —



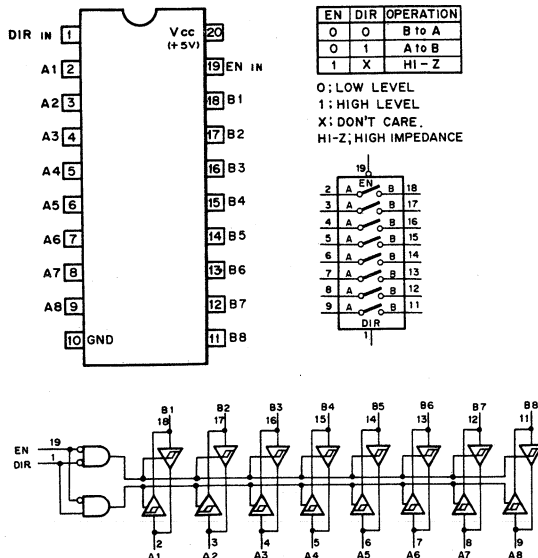
SN74LS221NS (TI) FLAT PACKAGE
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —



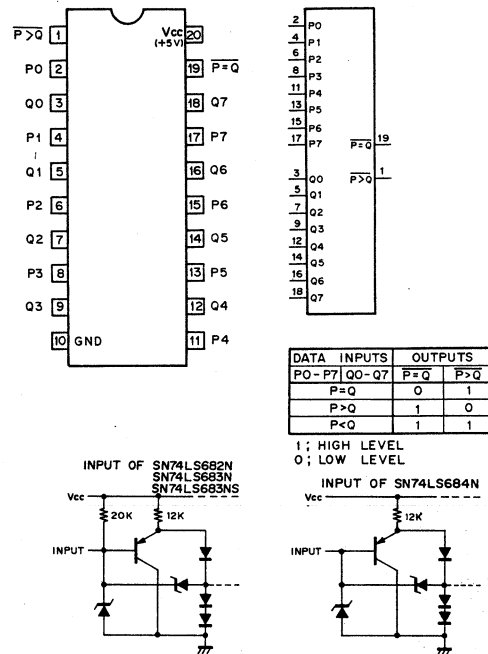
SN74LS244N (TI)
TTL 3-STATE SCHMITT TRIGGER BUFFER/DRIVER
— TOP VIEW —



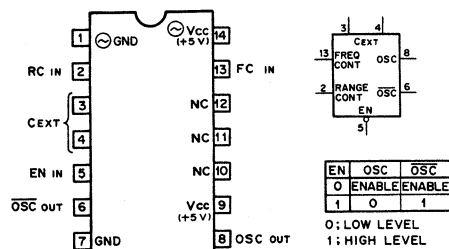
SN74LS245N (TI)
TTL BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS WITH 3-STATE OUTPUT
— TOP VIEW —



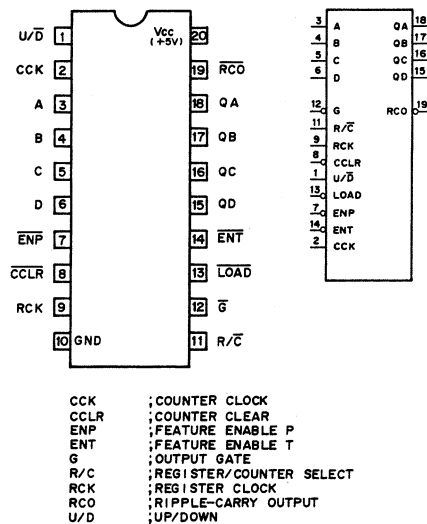
SN74LS683NS (TI) FLAT PACKAGE
TTL 8-BIT MAGNITUDE COMPARATOR
WITH TOTEM-POLE OUTPUTS
— TOP VIEW —



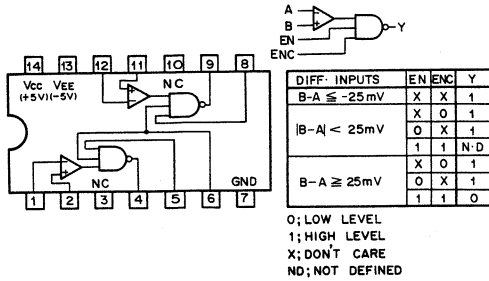
SN74LS624N (TI)
TTL VOLTAGE CONTROLLED OSCILLATOR
— TOP VIEW —



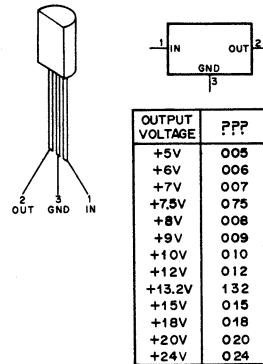
SN74LS697N
TTL SYNCHRONOUS UP/DOWN COUNTERS WITH OUTPUT REGISTERS AND MULTIPLEXED 3-STATE OUTPUTS
(BINARY COUNTER, DIRECT CLEAR)
— TOP VIEW —



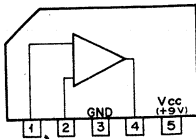
SN75107AN (TI)
LINE RECEIVER
— TOP VIEW —



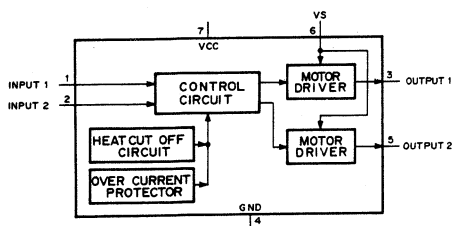
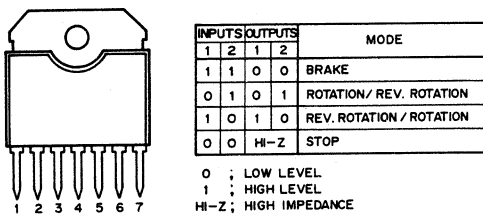
TA78L??AP (TOSHIBA)
POSITIVE VOLTAGE REGULATOR (150mA)



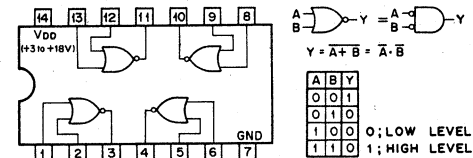
TA7060AP (TOSHIBA)
LINEAR AMP
— SIDE VIEW —



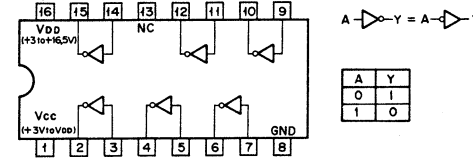
TA7267P (TOSHIBA)
DC MOTOR DRIVER
— PRINTED SIDE VIEW —



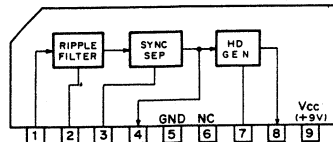
TC4001BF (TOSHIBA) FLAT PACKAGE
TC4001BP (TOSHIBA)
C-MOS 2-INPUT NOR GATE
— TOP VIEW —



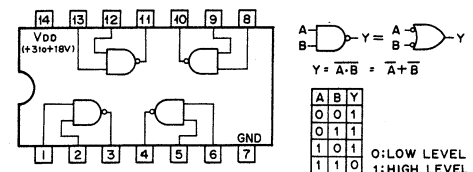
TC4009UBP (TOSHIBA)
C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)
— TOP VIEW —



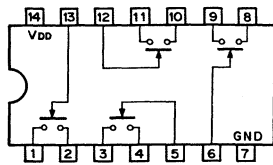
TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —



TC4011BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



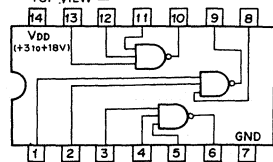
TC4016BP (TOSHIBA)
C-MOS BILATERAL SWITCH
— TOP VIEW —



CONT IN	SW
0	OFF
1	ON

0; LOW LEVEL
1; HIGH LEVEL

TC4023BF (TOSHIBA) FLAT PACKAGE
C-MOS 3-INPUT NAND GATE
— TOP VIEW —

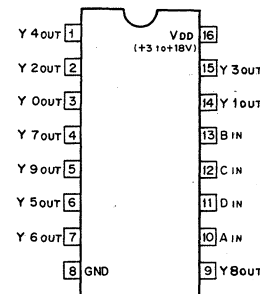


$$Y = A \cdot B \cdot C = \overline{\overline{A} + \overline{B} + \overline{C}}$$

A	B	C	Y
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	0
1	1	1	0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

TC4028BF (TOSHIBA) FLAT PACKAGE
C-MOS BCD TO DECIMAL DECODER
— TOP VIEW —

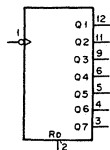
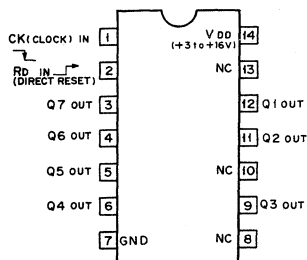


Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9
0	1	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0
3	0	0	0	1	0	0	0	0	0
4	0	1	0	0	0	0	0	0	0
5	0	0	1	0	0	0	0	0	0
6	0	1	0	0	0	0	0	0	0
7	0	0	1	0	0	0	0	0	0
8	1	0	0	0	0	0	0	0	0
9	0	1	0	0	0	0	0	0	0

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

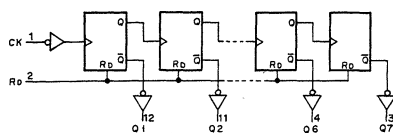
STATE	INPUTS				OUTPUTS									
	D	C	B	A	Y0	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	1	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	1	0	0	0	0	0	0	0
3	0	0	1	1	0	0	0	1	0	0	0	0	0	0
4	0	1	0	0	0	0	0	0	1	0	0	0	0	0
5	0	1	0	1	0	0	0	0	0	1	0	0	0	0
6	0	1	1	0	0	0	0	0	0	0	1	0	0	0
7	0	1	1	1	0	0	0	0	0	0	0	1	0	0
8	1	0	0	0	0	0	0	0	0	0	0	0	1	0
9	1	0	0	1	0	0	0	0	0	0	0	0	0	1

TC4024BF (TOSHIBA) FLAT PACKAGE
C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER
— TOP VIEW —

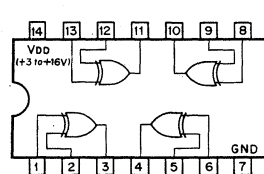


COUNT	INPUTS		OUTPUTS						
	CK	RD	Q7	Q6	Q5	Q4	Q3	Q2	Q1
0	X	1	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	1
2	1	0	0	0	0	0	0	1	0
3	1	0	0	0	0	0	1	0	1
4	1	0	0	0	0	1	0	1	0
125	1	0	1	1	1	1	1	0	1
126	1	0	1	1	1	1	1	1	0
127	1	0	1	1	1	1	1	1	1
—	0	0	NO CHANGE						
—	1	0	NO CHANGE						

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE



TC4030BF (TOSHIBA) FLAT PACKAGE
TC4030BP (TOSHIBA)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —

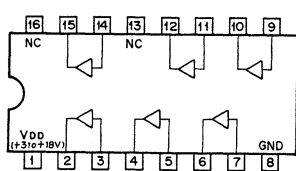


$$Y = A \oplus B = A \cdot \overline{B} + \overline{A} \cdot B$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

TC4050BF (TOSHIBA) FLAT PACKAGE
TC4050BP (TOSHIBA)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —

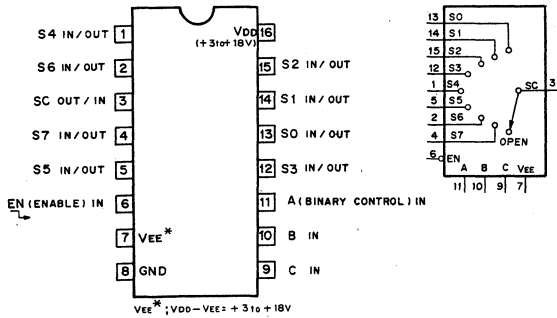


$$Y = A$$

A	Y
0	0
1	1

0; LOW LEVEL
1; HIGH LEVEL

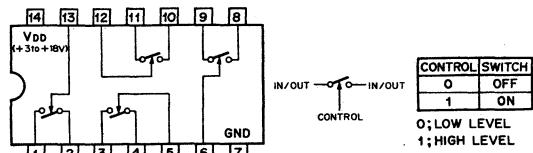
TC4051BF (TOSHIBA) FLAT PACKAGE
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



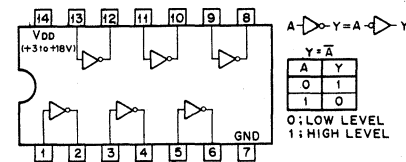
EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

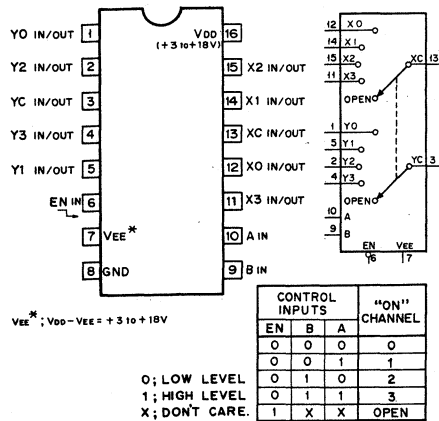
TC4066BF (TOSHIBA)
C-MOS BILATERAL ANALOG SWITCH
— TOP VIEW —



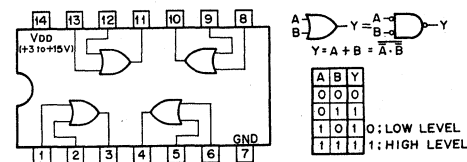
TC4069UBF (TOSHIBA) FLAT PACKAGE
TC4069UBP (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —



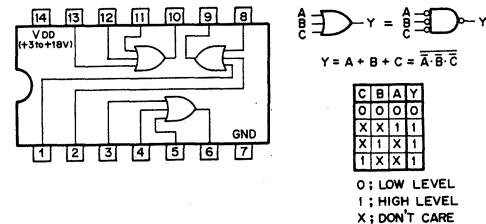
TC4052BF (TOSHIBA) FLAT PACKAGE
C-MOS 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



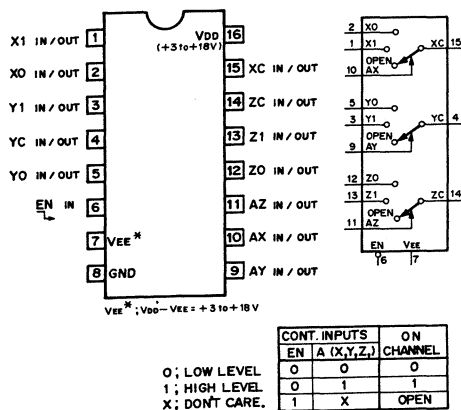
TC4071BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT OR GATE
— TOP VIEW —



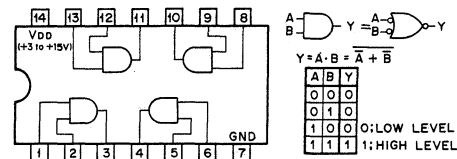
TC4075BF (TOSHIBA) FLAT PACKAGE
C-MOS 3-INPUT OR GATE
— TOP VIEW —



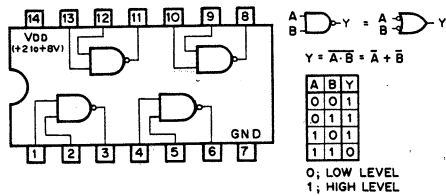
TC4053BF (TOSHIBA) FLAT PACKAGE
TC4053BFHB (TOSHIBA) FLAT PACKAGE
TC4053BP (TOSHIBA)
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



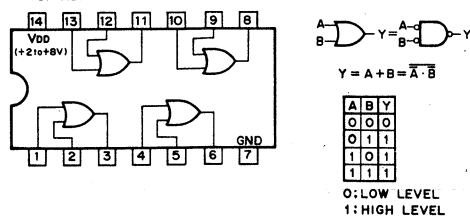
TC4081BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT AND GATE
— TOP VIEW —



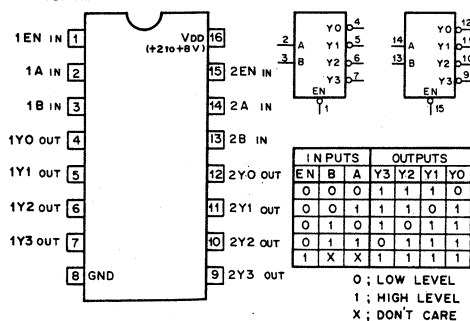
TC40H000F (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



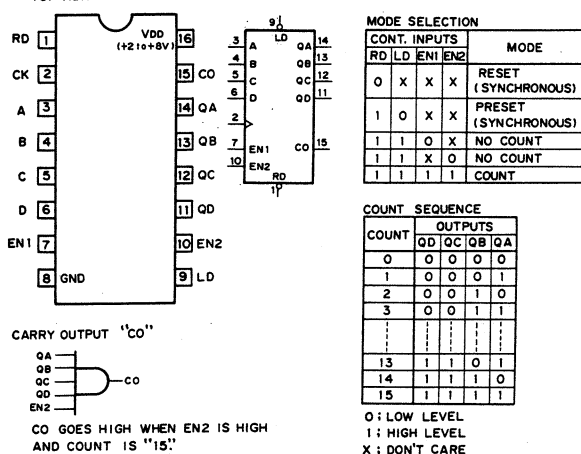
TC40H032F (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT POSITIVE-OR GATE
— TOP VIEW —



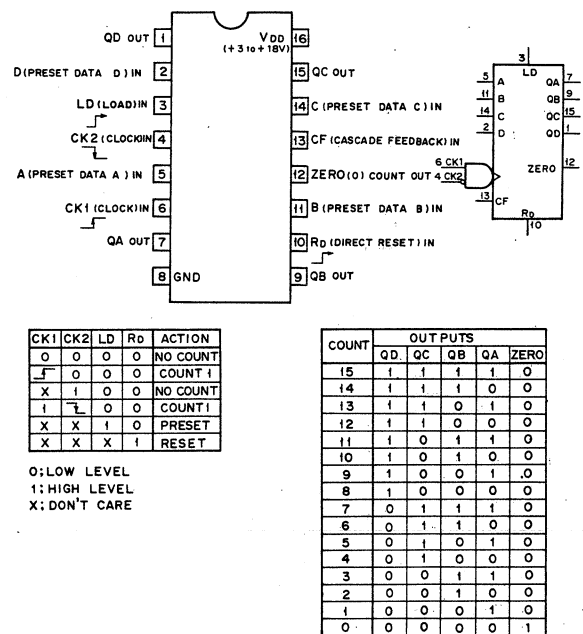
TC40H139F (TOSHIBA) FLAT PACKAGE
C-MOS 2-TO-4-LINE DECODER/DEMULTIPLXER
— TOP VIEW —



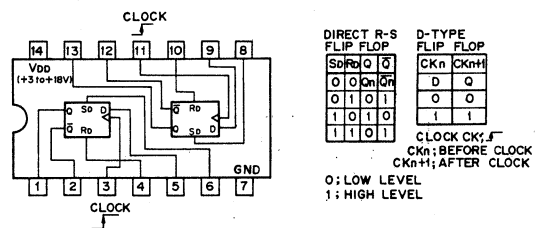
TC40H163F (TOSHIBA) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
— TOP VIEW —



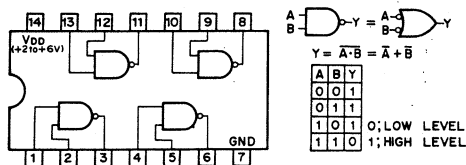
TC4526BP (TOSHIBA)
C-MOS PROGRAMMABLE DIVIDE-BY-N 4-BIT BINARY DOWN COUNTER
— TOP VIEW —



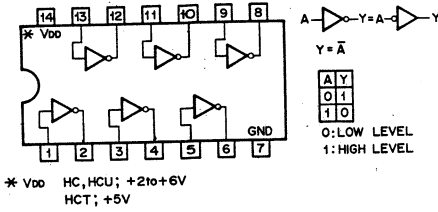
TC504013BF (TOSHIBA) FLAT PACKAGE
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



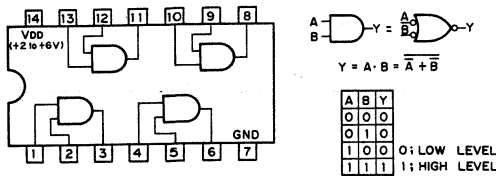
TC74HC00F (TOSHIBA) FLAT PACKAGE
TC74HC00P (TOSHIBA)
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



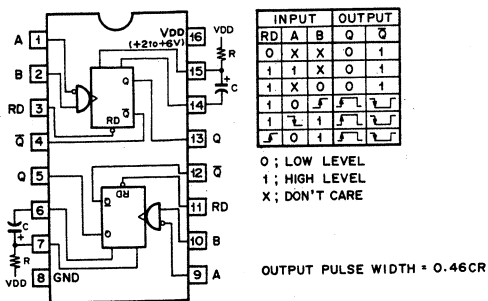
TC74HC04F (TOSHIBA) FLAT PACKAGE
TC74HC04P (TOSHIBA)
TC74HC04F (TOSHIBA) FLAT PACKAGE
TC74HC04P (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —



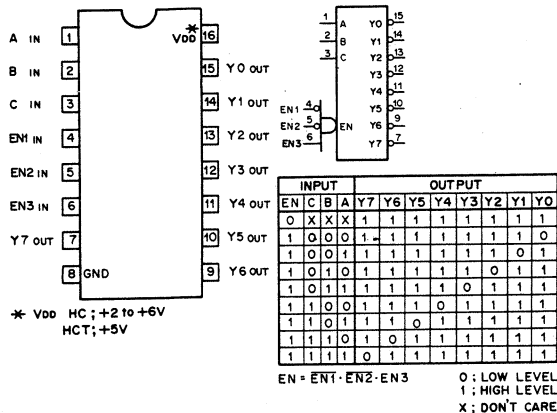
TC74HC08F (TOSHIBA) FLAT PACKAGE
TC74HC08P (TOSHIBA)
C-MOS 2-INPUT AND GATE
— TOP VIEW —



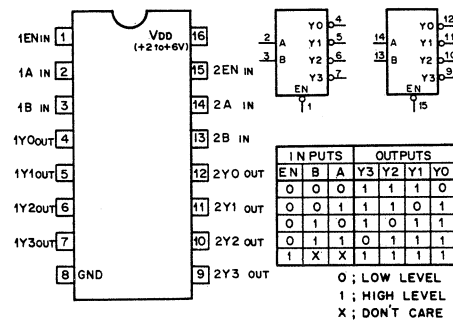
TC74HC123F (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



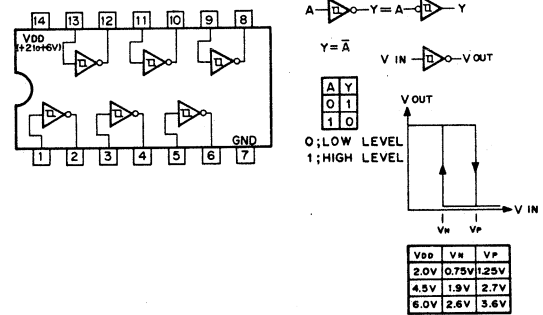
TC74HC138F (TOSHIBA) FLAT PACKAGE
TC74HC138P (TOSHIBA)
C-MOS 3-TO-8 LINE DECODER/DEMULPLEXER
— TOP VIEW —



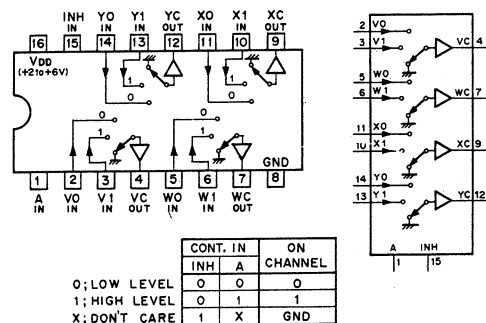
TC74HC139F (TOSHIBA) FLAT PACKAGE
TC74HC139P (TOSHIBA)
C-MOS 1-OF-4 DECODER/DEMULPLEXER
— TOP VIEW —



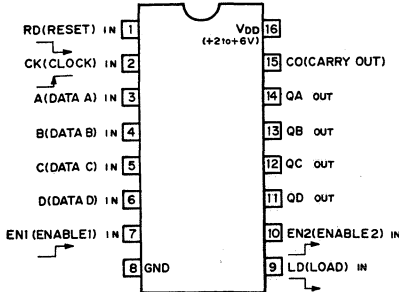
TC74HC14F (TOSHIBA) FLAT PACKAGE
TC74HC14P (TOSHIBA)
C-MOS SCHMITT TRIGGER INVERTER
— TOP VIEW —



TC74HC157P (TOSHIBA)
C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
— TOP VIEW —



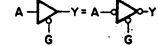
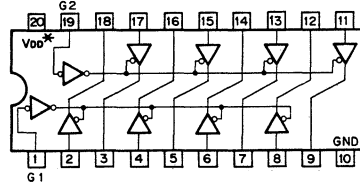
TC74HC160F (TOSHIBA) FLAT PACKAGE
C-MOS SYNCHRONOUS PRESETTABLE 4-BIT DECADE COUNTER
— TOP VIEW —



MODE SELECTION					
RD	LD	EN1	EN2	CK	MODE
0	X	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	\uparrow	PRESET (SYNCHRONOUS)
1	1	0	X	\uparrow	NO COUNT
1	1	X	0	\uparrow	NO COUNT
1	1	1	1	\uparrow	COUNT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

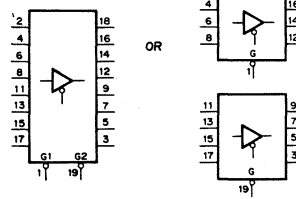
TC74HC244F (TOSHIBA) FLAT PACKAGE
TC74HC244P (TOSHIBA)
C-MOS BUS BUFFER WITH 3-STATE OUTPUT
— TOP VIEW —



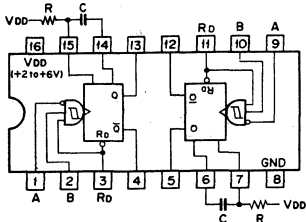
G	A	Y
0	0	0
0	1	1
1	X	HI-Z







0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

* V_{DD} HC; +2 to +6V
HCT; +5V



TC74HC221F (TOSHIBA) FLAT PACKAGE
C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —

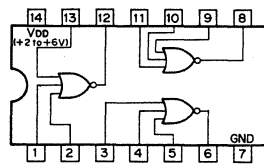


INPUTS			OUTPUTS	
R _D	A	B	Q	Q̄
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑		
1	↓	1		
↑	0	1		

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

OUTPUT PULSE WIDTH = 0.7CR

TC74HC27F (TOSHIBA) FLAT PACKAGE
C-MOS 3-LINE POSITIVE-NOR GATE
— TOP VIEW —

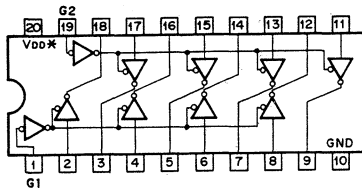


$$Y = A + B + C = \overline{A} \cdot \overline{B} \cdot \overline{C}$$

A	B	C	Y
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0

0; LOW LEVEL
1; HIGH LEVEL

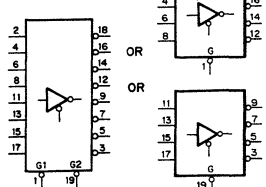
TC74HC240P (TOSHIBA)
C-MOS 3-STATE INVERTER/LINE DRIVER
— TOP VIEW —



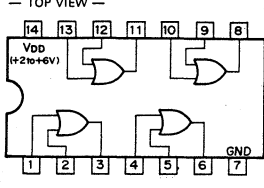
G	A	Y
0	0	1
0	1	0
1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

* V_{DD} HC; +2 to +6V
HCT; +5V



TC74HC32F (TOSHIBA) FLAT PACKAGE
TC74HC32P (TOSHIBA)
C-MOS 2-INPUT OR GATE
— TOP VIEW —

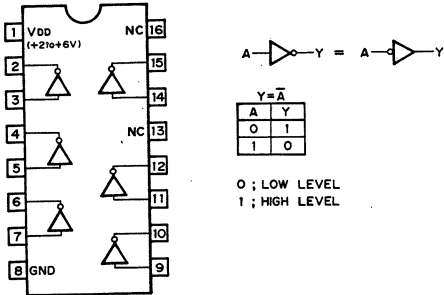


$$Y = A + B = \overline{A} \cdot \overline{B}$$

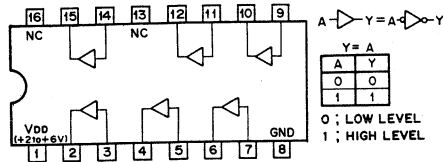
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0; LOW LEVEL
1; HIGH LEVEL

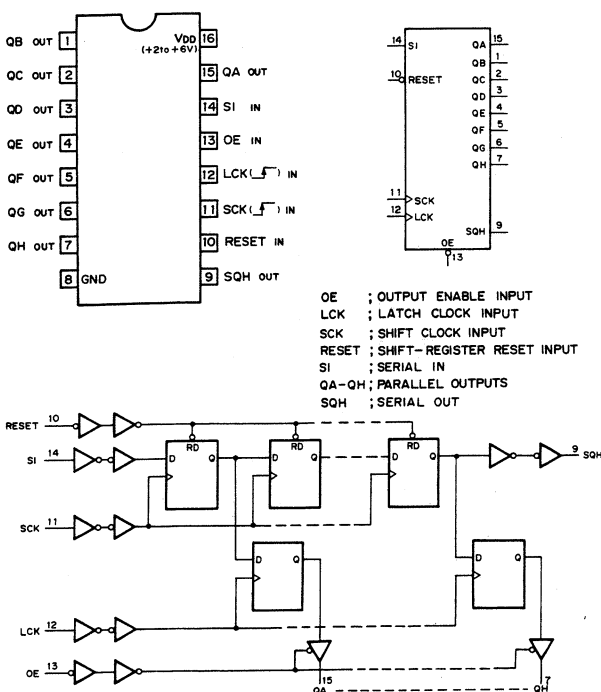
TC74HC4049F (TOSHIBA) FLAT PACKAGE
C-MOS HEX BUFFER/CONVERTER (INVERTING)
— TOP VIEW —



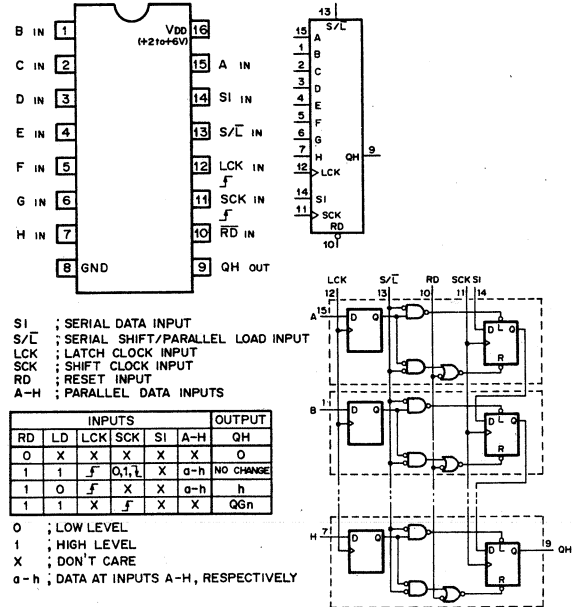
TC74HC4050F (TOSHIBA) FLAT PACKAGE
TC74HC4050P (TOSHIBA)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —



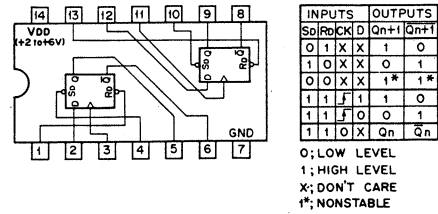
TC74HC595P (TOSHIBA)
C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT
SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT
— TOP VIEW —



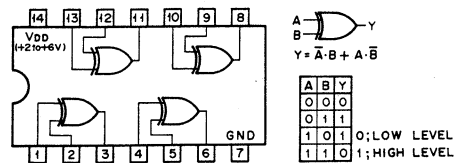
TC74HC597P (TOSHIBA)
CMOS 8-BIT LATCH/SHIFT REGISTER
— TOP VIEW —



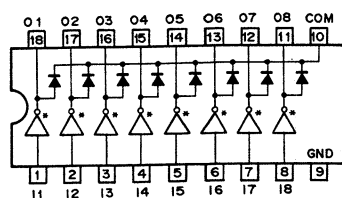
TC74HC74F (TOSHIBA) FLAT PACKAGE
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



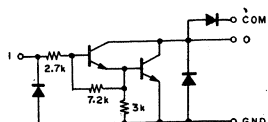
TC74HC86F (TOSHIBA) FLAT PACKAGE
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —



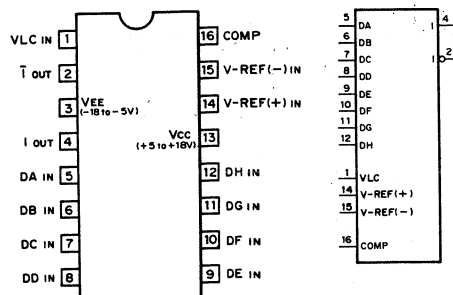
TD62083AP (TOSHIBA)
DARLINGTON DRIVER
— TOP VIEW —



* ; OPEN COLLECTOR

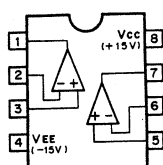


TD62901 P (TOSHIBA)
HIGH SPEED 8-BIT D/A CONVERTER
— TOP VIEW —

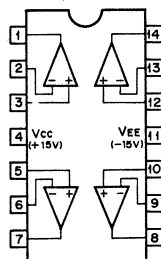


COMP ; COMPENSATION
DA-DH ; BINARY DATA
I ; COMPLEMENTARY CURRENT
V-REF ; REFERENCE VOLTAGE
VLC ; THRESHOLD LEVEL CONTROL

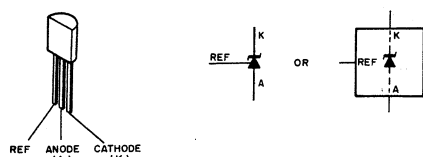
TL082CP (TI)
TL082CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



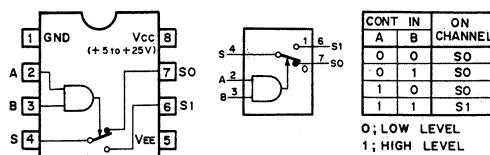
TL084CN (TI)
TL084CNS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



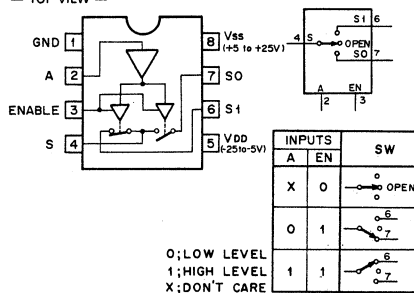
TL431CLPB (TI)
ADJUSTABLE PRECISION SHUNT REGULATOR



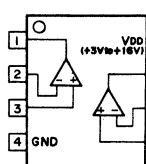
TL601CPS (TI) FLAT PACKAGE
P-MOS ANALOG SWITCH
— TOP VIEW —



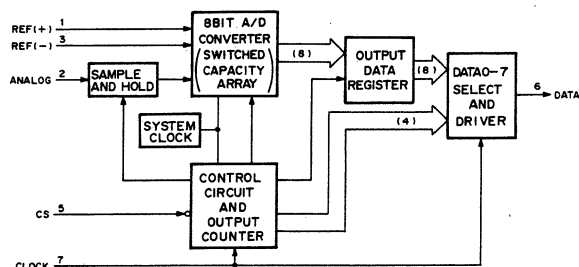
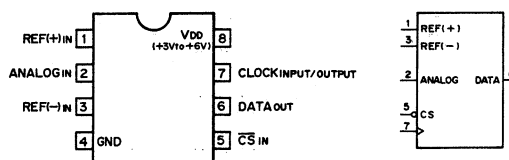
TL607CPS (TI) FLAT PACKAGE
P-MOS ANALOG SWITCH
— TOP VIEW —



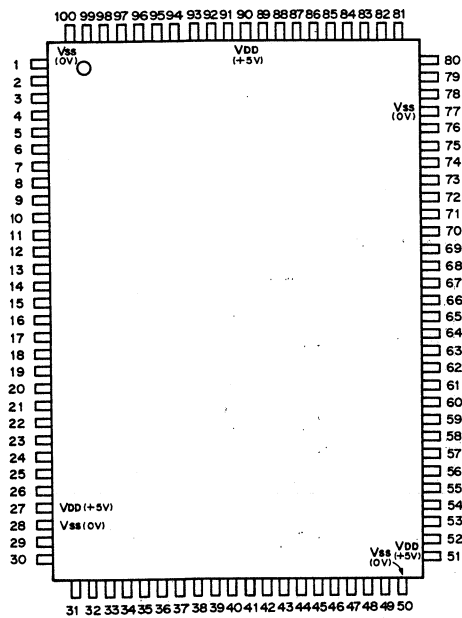
TLC27M2CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



TLC548CP (TI)
C-MOS 8 BIT A/D CONVERTER
— TOP VIEW —

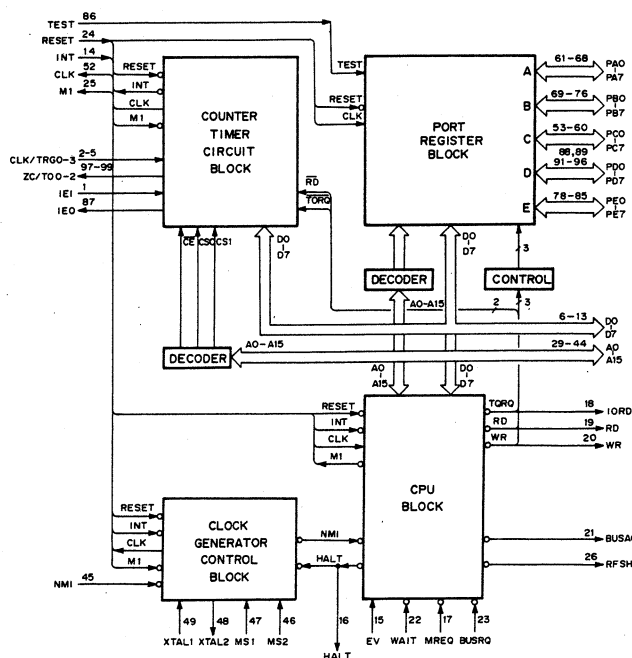


TMPZ84C011AF (TOSHIBA)
 TMPZ84C011AF-6 (TOSHIBA)
 C-MOS 8 BIT MICROPROCESSOR
 — TOP VIEW —

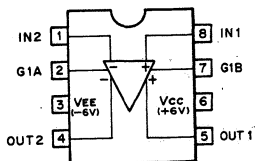


NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1			IEI	51			Vcc
2			CLK/TRG3	52			CLK
3			CLK/TRG2	53			PC7
4			CLK/TRG1	54			PC6
5			CLK/TRG0	55			PC5
6			D7	56			PC4
7			D6	57			PC3
8			D5	58			PC2
9			D4	59			PC1
10			D3	60			PC0
11			D2	61			PA7
12			D1	62			PA6
13			D0	63			PA5
14			INT	64			PA4
15			EV	65			PA3
16			HALT	66			PA2
17			MREQ	67			PA1
18			IORQ	68			PA0
19			RD	69			PB7
20			WR	70			PB6
21			BUSACK	71			PB5
22			WAIT	72			PB4
23			BUSREQ	73			PB3
24			RESET	74			PB2
25			MT	75			PB1
26			RFSH	76			PB0
27			Vcc	77			Vss
28			Vss	78			PE7
29			A0	79			PE6
30			A1	80			PE5
31			A2	81			PE4
32			A3	82			PE3
33			A4	83			PE2
34			A5	84			PE1
35			A6	85			PE0
36			A7	86			TEST
37			A8	87			IE0
38			A9	88			PD7
39			A10	89			PD6
40			A11	90			Vcc
41			A12	91			PD5
42			A13	92			PD4
43			A14	93			PD3
44			A15	94			PD2
45			NMI	95			PD1
46			MS2	96			PD0
47			MS1	97			ZC/T02
48			XTAL2	98			ZC/T01
49			XTAL1	99			ZC/T00
50			Vss	100			Vss

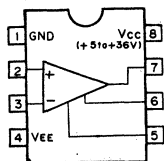
58	PA0	A0	29	AO-A15	3-STATE ADDRESS BUS OUTPUTS
57	PA1	A1	30	BUSACK	BUS ACKNOWLEDGE OUTPUT
56	PA2	A2	31	BUS REQ	BUS REQUEST INPUT
55	PA3	A3	32	CLK	CLOCK OUTPUT
54	PA4	A4	33	CLK/TRG0-3	EXTERNAL CLOCK / TIMER TRIGGER0-3 INPUTS
53	PA5	A5	34	DO-D7	3-STATE DATA BUS INPUTS/OUTPUTS
52	PA6	A6	35	EV	EVALUATOR INPUT
51	PA7	A7	36	HALT	HALT OUTPUT
50	PB0	A8	37	IEI/IE0	CTC INTERRUPT ENABLE INPUT/OUTPUT
49	PB1	A9	38	INT	MASKABLE INTERRUPT REQUEST INPUT
48	PB2	A10	39	IORQ	3-STATE I/O REQUEST OUTPUT
47	PB3	A11	40	M1	3-STATE MACHINE CYCLE 1 OUTPUT
46	PB4	A12	41	MREQ	3-STATE REQUEST OUTPUT
45	PB5	A13	42	MS1/MS2	MODE SELECT 1/2 INPUTS
44	PB6	A14	43	NMI	NON-MASKABLE INTERRUPT REQUEST INPUT
43	PB7	A15	44	PA0-PA7	
42	PC0	D0	45	PB0-PB7	
41	PC1	D1	46	PC0-PC7	3-STATE I/O PORT
40	PC2	D2	47	PDO-PD7	
39	PC3	D3	48	PE0-PE7	
38	PC4	D4	49	RD	3-STATE READ OUTPUT
37	PC5	D5	50	RESET	RESET INPUT
36	PC6	D6	51	RFSH	REFRESH OUTPUT
35	PC7	D7	52	TEST	TEST INPUT
34	PD0		53	WAIT	WAIT REQUEST INPUT
33	PD1		54	WR	3-STATE WRITE OUTPUT
32	PD2		55	ZC/T00-2	ZERO COUNT/TIME OUT 0-2 OUTPUTS
31	PD3		56		
30	PD4		57		
29	PD5		58		
28	PD6		59		
27	PD7		60		
26	PE0		61		
25	PE1		62		
24	PE2		63		
23	PE3		64		
22	PE4		65		
21	PE5		66		
20	PE6		67		
19	PE7		68		
18	TEST		69		
17	IE0		70		
16	PD7		71		
15	PD6		72		
14	PD5		73		
13	PD4		74		
12	PD3		75		
11	PD2		76		
10	PD1		77		
9	PD0		78		
8	PE0		79		
7	PE1		80		
6	PE2		81		
5	PE3		82		
4	PE4		83		
3	PE5		84		
2	PE6		85		
1	PE7		86		
	CLK/TRG0	ZC/T00	87		
	CLK/TRG1	ZC/T01	88		
	CLK/TRG2	ZC/T02	89		
	CLK/TRG3	RESET	90		
	IEI	IE0	91		
	INT		92		
	NMI		93		
	MS1		94		
	MS2		95		
	XTAL1		96		
	XTAL2		97		
	Vss		98		
			99		
			100		



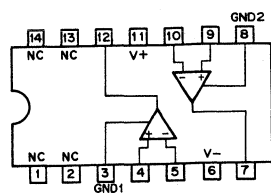
uPC1663G (NEC) FLAT PACKAGE
WIDEBAND VIDEO AMPLIFIER
— TOP VIEW —



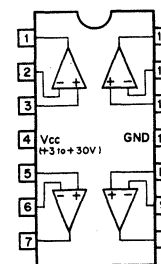
uPC311G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



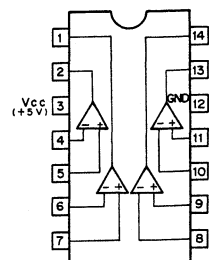
uPC319G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



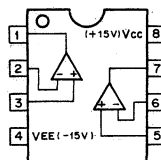
uPC324C (NEC)
QUAD. OP. AMPLIFIER
— TOP VIEW —



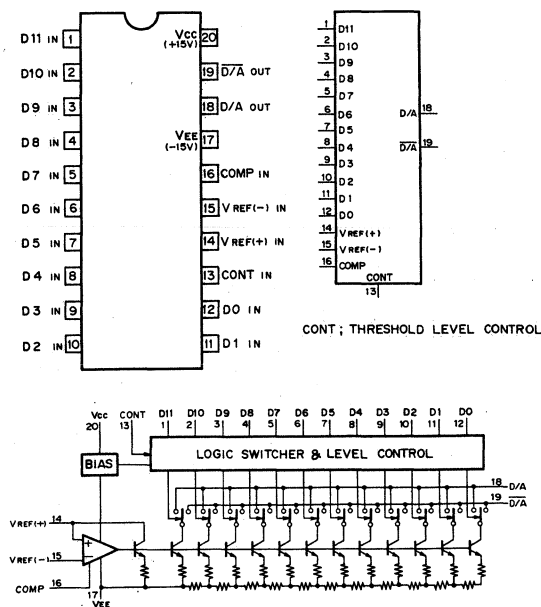
uPC339G2 (NEC) FLAT PACKAGE
COMPARATOR
— TOP VIEW —



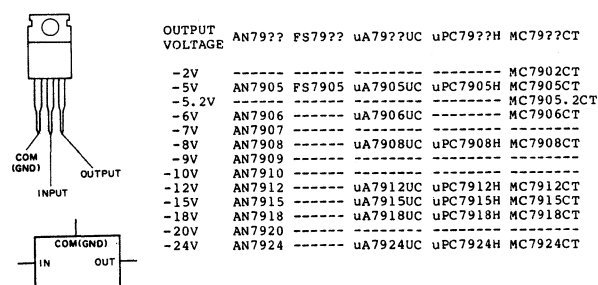
uPC4558C (NEC)
uPC4558G2 (NEC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



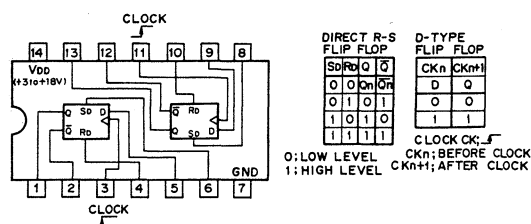
uPC648C (NEC)
12-BIT D/A CONVERTER WITH OPEN COLLECTOR OUTPUT
— TOP VIEW —



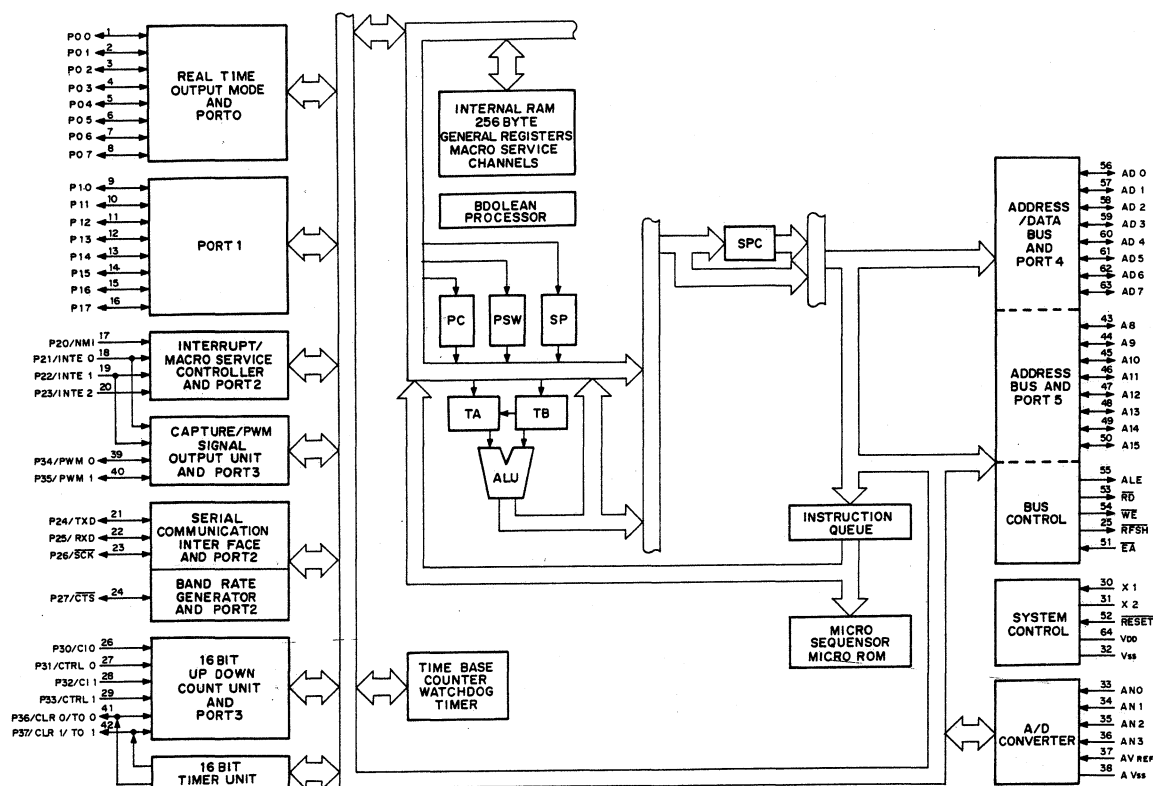
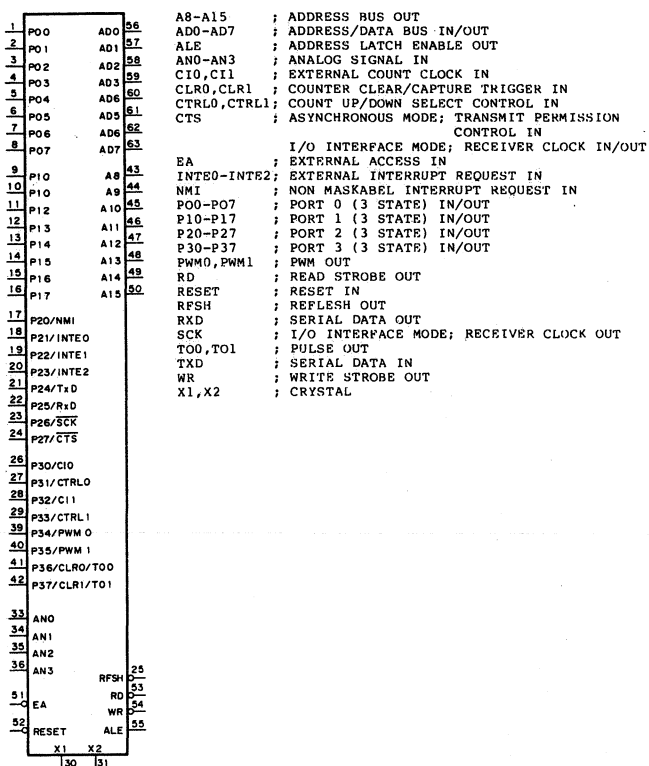
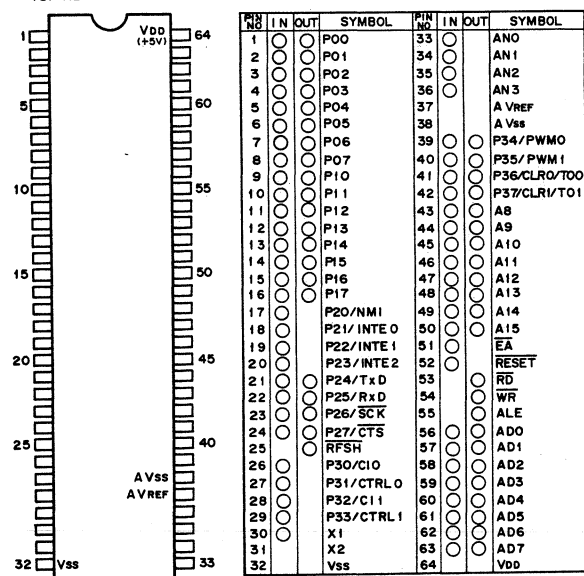
uPC7977H (NEC)
NEGATIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —



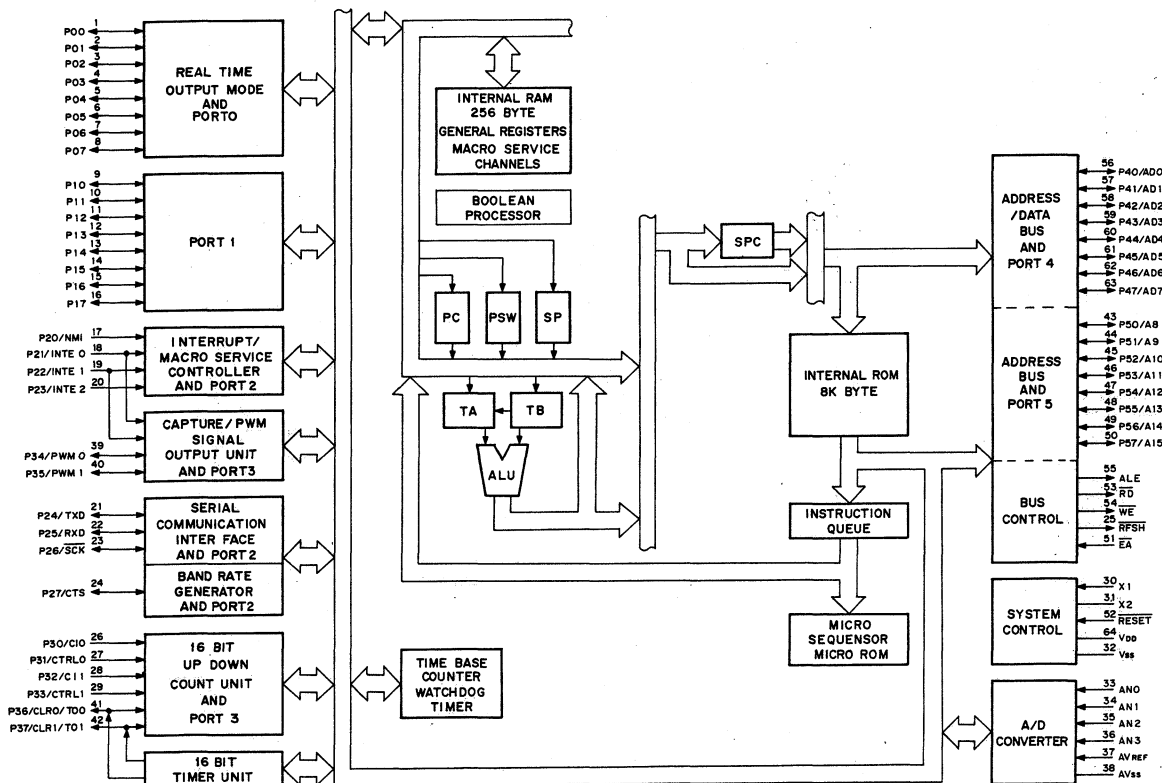
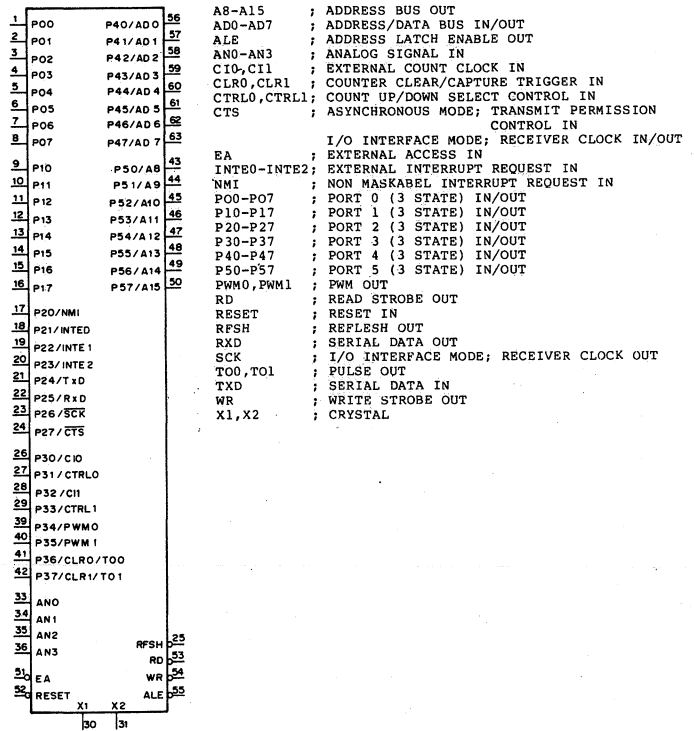
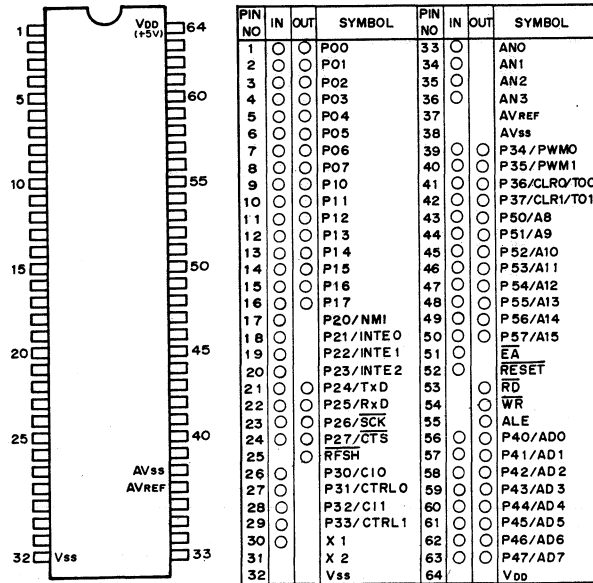
uPD4013BC (NEC)
C-MOS D-TYPE FLIP-FLOP WITH DIRECT SET/RESET
— TOP VIEW —



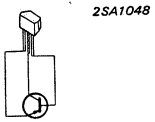
uPD7831OCW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



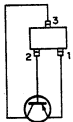
uPD78312CW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



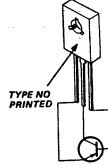
TRANSISTOR, (OTHER)



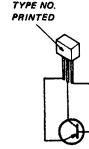
2SA1048



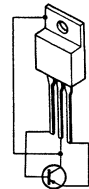
2SA1122
2SA1162
2SA1226
2SA812



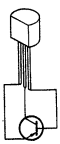
2SA1141
2SA1156
2SB649A



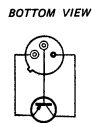
2SA1175



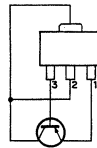
2SA473
2SA768
2SB553



2SA733
2SA844



2SA911



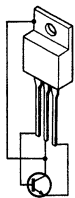
2SB1115A



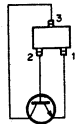
2SB733
2SB734



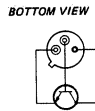
2SB822



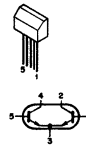
2SC1173
2SC2654



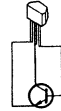
2SC1623
2SC2223
2SC2712
2SC2715
2SC2757
2SC3326N



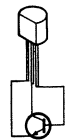
2SC1762



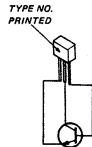
2SC2259



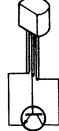
2SC2458
2SC2603
2SC403SP
2SC634SP



2SC2754
2SC2878



2SC2785



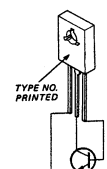
2SC2901



2SC3012



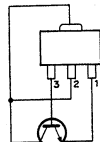
2SD1055



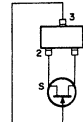
2SD669A



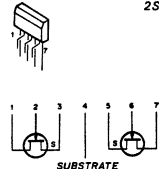
2SD773
2SD774



2SD999

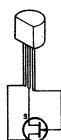


2SK209
2SK94

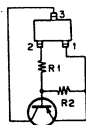


2SK389

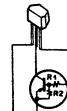
TRANSISTOR, (OTHER)



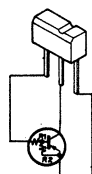
2SK523



DTA114EK (R1=10K, R2=10K)
DTA114TK (R1=10K, R2=∞)
DTA124EK (R1=22K, R2=22K)
DTA144EK (R1=47K, R2=47K)

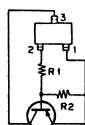


DTA124ES (R1=22K, R2=22K)
DTA124XS (R1=22K, R2=47K)

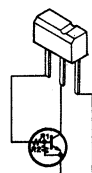


DTA144EF (R1=47K, R2=47K)

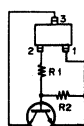
TOP VIEW (SCALE 4/1) DTB123EK (R1=2.2K, R2=2.2K)



DTC124ES (R1=22K, R2=22K)
DTC124XS (R1=22K, R2=47K)



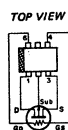
DTC144EF (R1=47K, R2=47K)



DTC144EK (R1=47K, R2=47K)
DTC144WK (R1=47K, R2=22K)



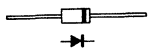
J175



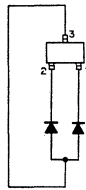
TOP VIEW

TX429M

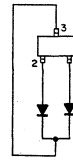
DIODE, (OTHER)



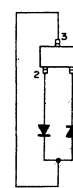
10E-2
1S1587
1S2076
1SS119



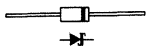
1S2835



1S2837



1SS123



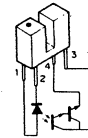
1SS97
1SS99



FC51M
FC52M
FC54M



GL-5HD5 : RED



GP-1L52

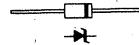
TOP VIEW



LB-402VK : RED



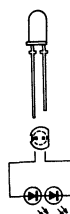
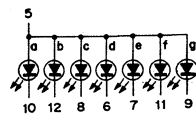
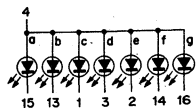
LN25RP : RED
LN35BP : GREEN



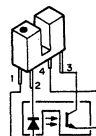
HZ ? 7L
HZ ? 7LL
RD ? 7EB ?
RD ? 7ESB ?



RD ? 7MB



TLG255 : GREEN
TLY255 : YELLOW



TLP801A



TLUG154 : GREEN

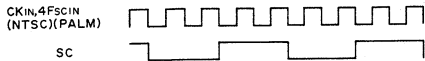
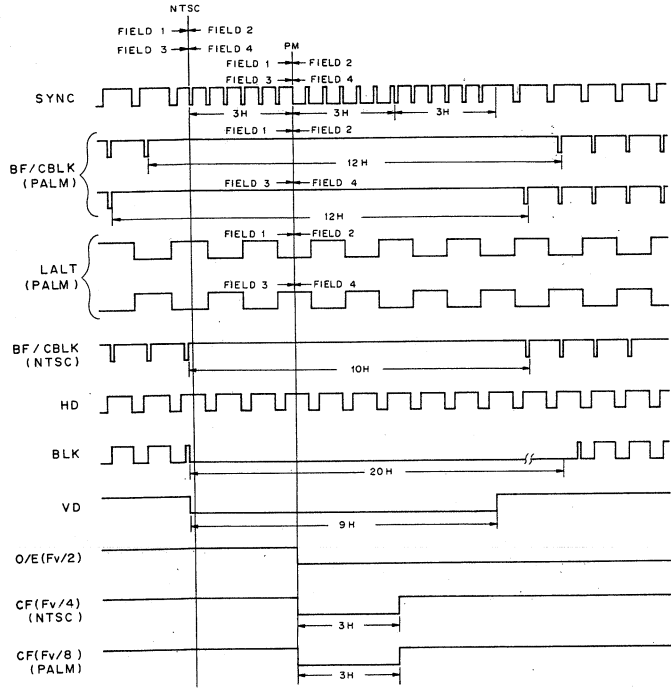


TLUR144 (RED)

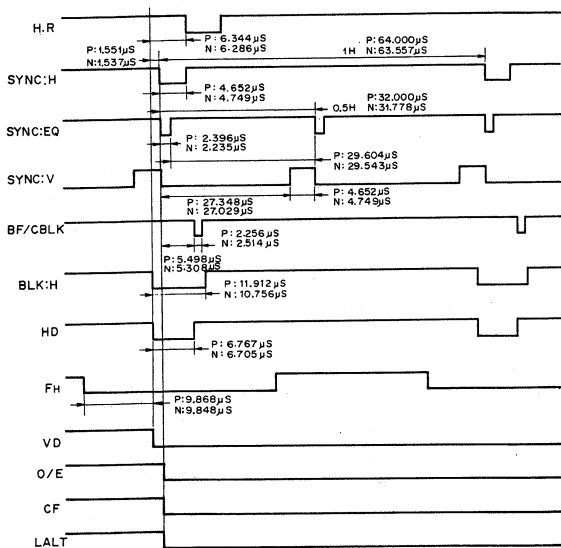
等価回路はICメーカーのData Bookに従いました。

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

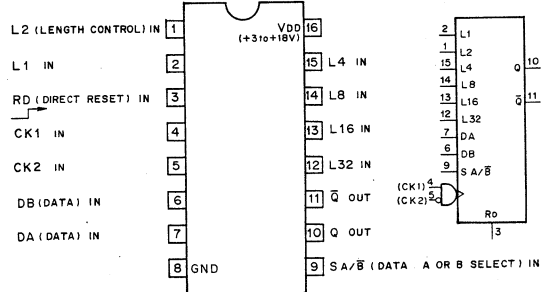
NTSC, PAL-M (FIELD 2, 4)



P: PAL, SECAM
N: NTSC, PALM



HD14557BFP (HITACHI) FLAT PACKAGE
C-MOS 1-TO-64-BIT VARIABLE LENGTH SHIFT REGISTER
— TOP VIEW —



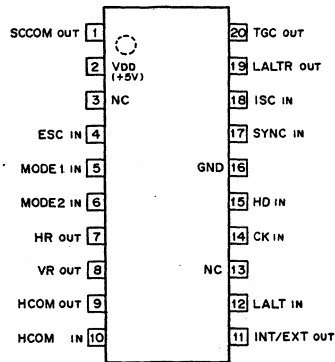
LENGTH SELECT TRUTH TABLE

L32	L16	L8	L4	L2	L1	REGISTER LENGTH
0	0	0	0	0	0	1 - BIT
0	0	0	0	0	1	2 - BIT
0	0	0	0	1	0	3 - BIT
0	0	0	0	1	1	4 - BIT
0	0	0	1	0	0	5 - BIT
1	1	1	1	0	0	61 - BIT
1	1	1	1	0	1	62 - BIT
1	1	1	1	1	0	63 - BIT
1	1	1	1	1	1	64 - BIT

INPUTS				OUTPUT
RD	SA/B	CK1	CK2	Q
0	0	0	0	DB
0	1	0	0	DA
0	0	1	0	DB
0	1	1	0	DA
1	X	X	X	Q

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

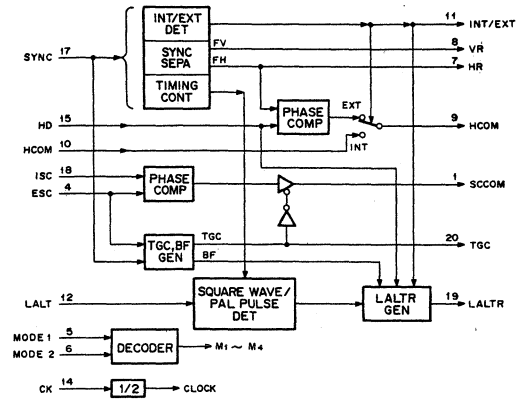
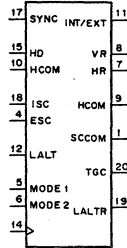
CXD1216M (SONY) FLAT PACKAGE
C-MOS GENLOCK DRIVER
- TOP VIEW -



INPUT		MODE	SYSTEM
MODE1	MODE2		
0	0	M1	PAL-VBS
1	0	M2	PALM-VBS
0	1	M3	PAL, SECAM-VS/SC/LALT
1	1	M4	NTSC-VBS, NTSC-VS/SC PALM-VS/SC/LALT

0; LOW LEVEL
1; HIGH LEVEL

CXD1216M(1/2)



INPUT
CK : 4fsc CLOCK INPUT
ESC : SC/COLOR BURST
HCOM : PHASE COMPARE FROM CXD1217
HD : H DRIVE FROM CXD1217
ISC : SUBCARRIER FROM CXD1217
LALT : LALT FROM REFERENCE SIGNAL GENERATOR
MODE1,2 : SYSTEM SELECT
SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR


OUTPUT
HCOM : PHASE COMPARE HR WITH HD
HR : fH OF SYNC SEPARATE
INT/EXT : INTERNAL/EXTERNAL SPECIFIED
LALTR : LINE CHANGE RESET
SCCOM : PHASE COMPARE ESC WITH ISC
TGC : TRISTATE CONTROL
VR : fV OF SYNC SEPARATE

SECTION 19

SPARE PARTS AND FIXTURE

19-1 PARTS INFORMATION

1.

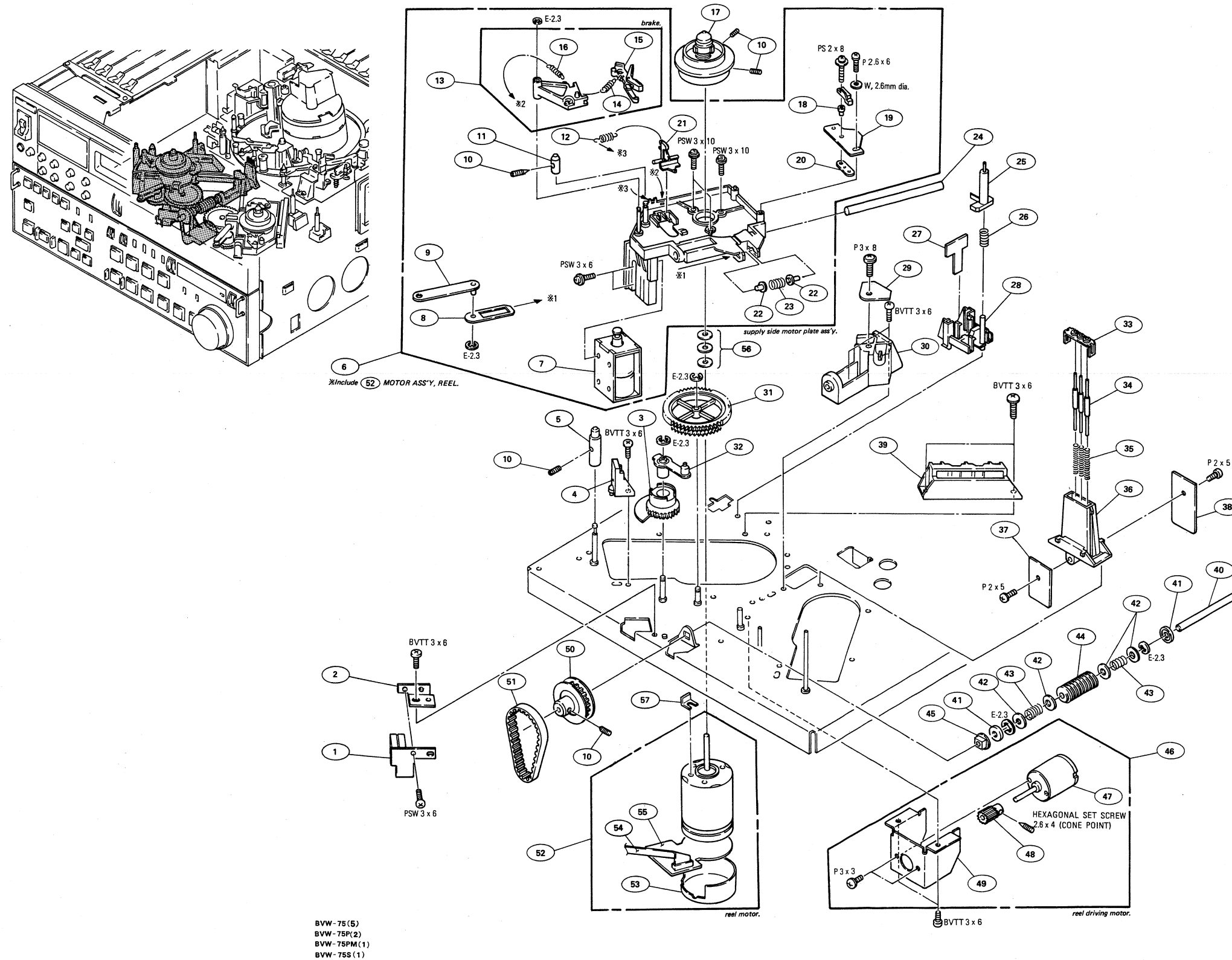
The shaded and  -marked components are critical to safety. Replace only with the same components as specified.
2. Replacement parts supplied from the Sony Parts Center will sometimes have a different shape and outside view from the parts which are used in the unit. This is due to "accommodating improved parts and/or engineering changed" or "standardization of genuine parts".
 - This manual's exploded views and electrical spare parts lists indicate the part numbers of "the present standardized genuine parts".
 - Regarding engineering part changes by our engineering department, refer to Sony service bulletins and service manual supplements.
3. The parts marked with "s" in the SP column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
4. Items with no part number and/or no description are not stocked because they are seldom required for routine service.
5. (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for the use.
(example)
Spring, tension (24T); this spring must be cut at its 24th turn for actual use.

19-2 EXPLODED VIEW

- Exploded views are composed of the following blocks.
1. Supply Side Reel Chassis
 - supply reel table
 - supply motor plate
 - reel motor
 - reel drive motor
 - cassette detector
 2. Take-up Side Reel Chassis
 - take-up reel table
 - take-up motor plate
 - reel motor
 - cassette detector
 3. Head Drum, Stationary Heads and Tape Guides Block
 - head drum ass'y
 - CTL head
 - full erase head
 - audio/TC heads
 - audio confidence heads
 - tape guide
 - capstan motor
 - slip ring
 4. Threading Ring Block
 - threading ring
 - pinch roller
 - tape guide
 - ring sensor
 5. T Drawer Arm Block
 - T drawer arm
 - tape beginning sensor
 6. Supply Tension Regulator Block
 - supply tension regulator
 7. Pinch Press Mechanism Block
 - pinch press mechanism
 8. Gear Box Block
 - gear box
 9. Function control Chassis Block
 - function control chassis
 - sub function control panel
 - search dial
 - hinge
 10. Level Control Chassis Block
 - level control chassis
 - audio level meter

REEL CHASSIS (1) REEL CHASSIS (1)

Supply Side Reel Chassis

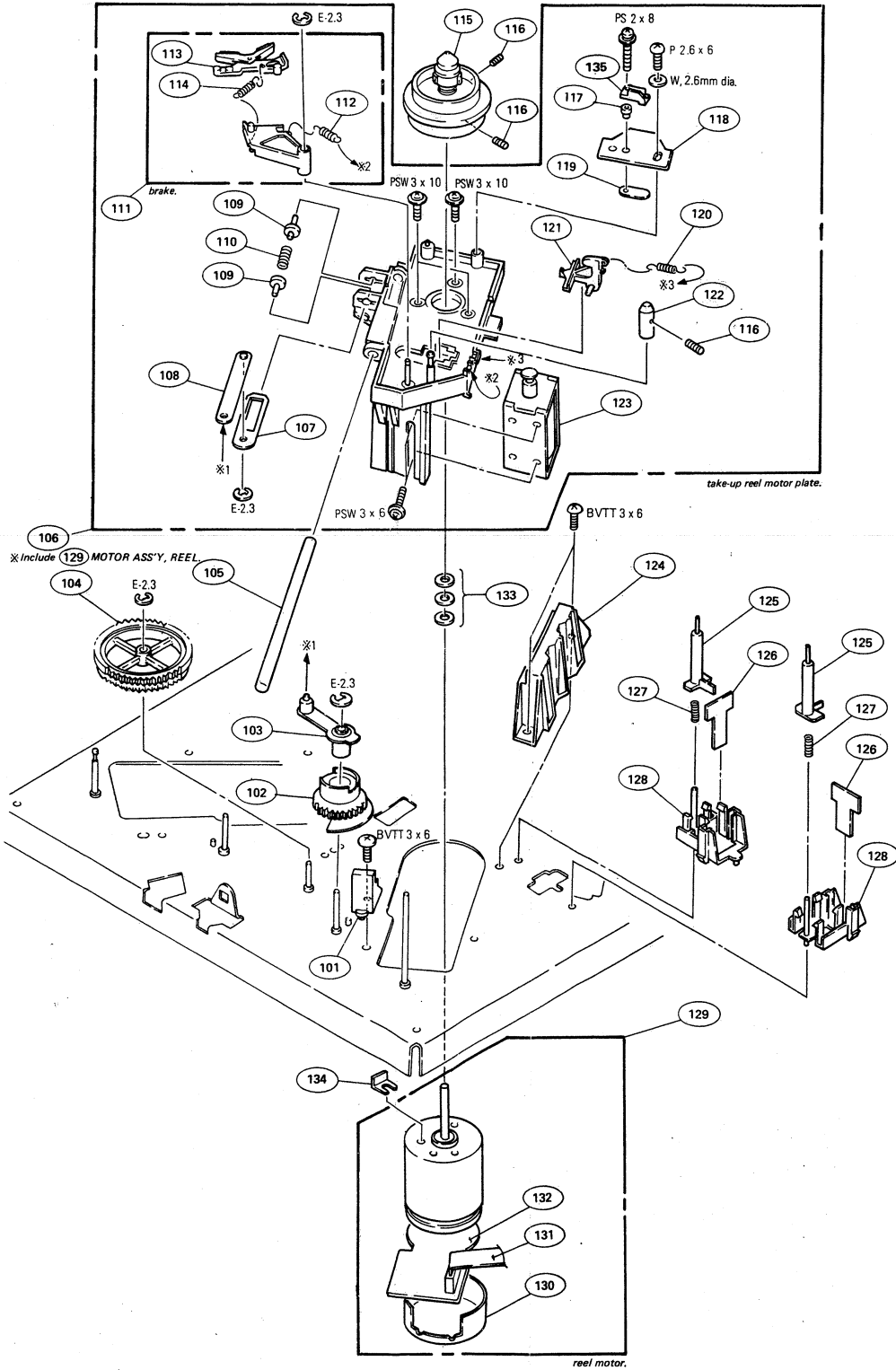
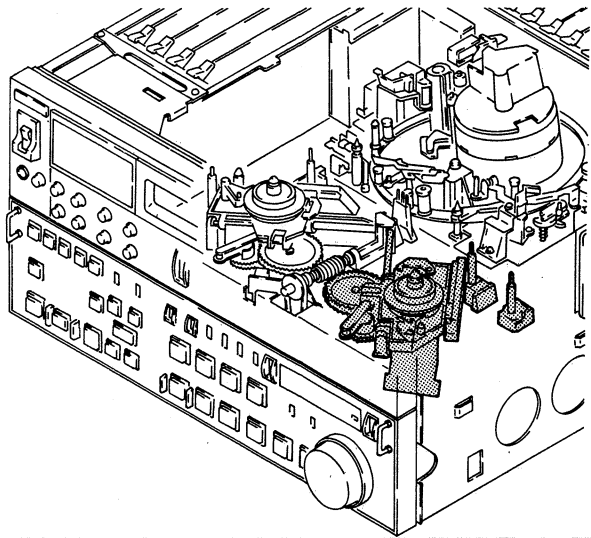


No.	Part No.	SP	Description
1	1-622-599-11	o	PRINTED CIRCUIT BOARD, PTC-21
2	3-717-221-01	o	BRACKET, PTC-21
3	3-717-400-01	s	GEAR, CRANK FLAT
4	3-717-205-01	o	HOLDER (B), SHAFT
5	3-717-222-01	s	CAP (L), CS SHAFT
6	A-6737-174-A	s	PLATE (S) ASS'Y, MOTOR
7	1-454-417-41	s	SOLENOID, PLUNGER
8	3-717-230-01	o	BRACKET, LIMITER
9	X-3717-204-1	o	ARM (B) ASS'Y, CRANK
10	3-701-506-01	s	SET SCREW, DOUBLE POINT 3 x 4
11	3-717-266-01	o	CAP (S), CG SHAFT
12	3-535-532-01	s	SPRING TENSION (6T)
13	A-6741-066-A	o	BRAKE ASS'Y
14	3-648-217-00	o	SPRING TENSION
15	X-3717-205-1	s	LINING ASS'Y
16	3-307-381-01	s	SPRING, TENSION
17	X-3717-207-1	s	TABLE ASS'Y, REEL
18	3-717-232-01	o	SHAFT, FITTING, MR SENSOR
19	1-622-606-11	o	PRINTED CIRCUIT BOARD, DE-15
20	3-717-233-01	o	BRACKET, DE-15
21	3-717-450-01	o	ARM, BRAKE RELEASE
22	3-717-231-01	o	HOLDER, LIMITER
23	3-491-247-00	s	SPRING, COMPRESSION
24	3-717-223-01	s	SHAFT, SLIDE
25	3-717-218-01	o	LEVER, MR
26	4-880-426-00	o	SPRING, COMPRESSION
27	1-622-600-11	o	PRINTED CIRCUIT BOARD, PTC-23
28	3-717-462-01	o	HOLDER, REC INHIBIT
29	3-717-224-01	s	RETAINER, SHAFT, SLIDE
30	3-717-208-01	o	HOLDER (A), SHAFT
31	3-717-399-01	s	WHEEL, W
32	X-3717-202-1	o	ARM ASS'Y, CRANK
33	3-717-207-01	o	COVER, M/C DETECTION HOLDER
34	3-717-206-01	s	LEVER, M/C DETECTION
35	3-554-202-01	o	WASHER (A), WORM
36	3-717-426-01	s	HOLDER, M/C DETECTION
37	1-622-601-11	o	PRINTED CIRCUIT BOARD, PTC-36
38	1-622-598-11	o	PRINTED CIRCUIT BOARD, PTC-20
39	3-717-398-01	o	TABLE, SLIDE
40	3-717-211-01	o	SHAFT, WORM
41	3-717-213-01	o	WASHER (A), WORM
42	3-717-212-01	o	WASHER (B), WORM
43	3-659-324-00	s	SPRING, COMPRESSION
44	3-717-210-01	s	WORM
45	3-717-214-01	o	BEARING, WORM
46	A-6737-173-A	o	MOTOR ASS'Y, REEL DRIVING
47	8-835-179-01	s	MOTOR, DC MCB2B15
48	3-717-220-01	o	PULLEY (S), TIMING
49	3-717-219-01	o	BRACKET, MOTOR
50	X-3717-201-1	o	PULLEY (L) ASS'Y, TIMING
51	3-717-542-01	s	BELT, TIMING
52	A-6737-175-A	s	MOTOR ASS'Y, REEL
53	3-675-826-00	o	COVER, SHIELD, RM
54	1-559-266-11	o	WIRE, FLEXIBLE CARD
55	1-622-605-11	o	PRINTED CIRCUIT BOARD, RM-40
56	3-701-441-01	s	WASHER, POLY 4MM DIA. 0.13T
57	3-701-441-11	s	WASHER, POLY 4MM DIA. 0.25T
	3-701-441-21	s	WASHER, POLY 4MM DIA. 0.5T
	3-717-625-01	s	SPACER

REEL CHASSIS (2)

REEL CHASSIS (2)

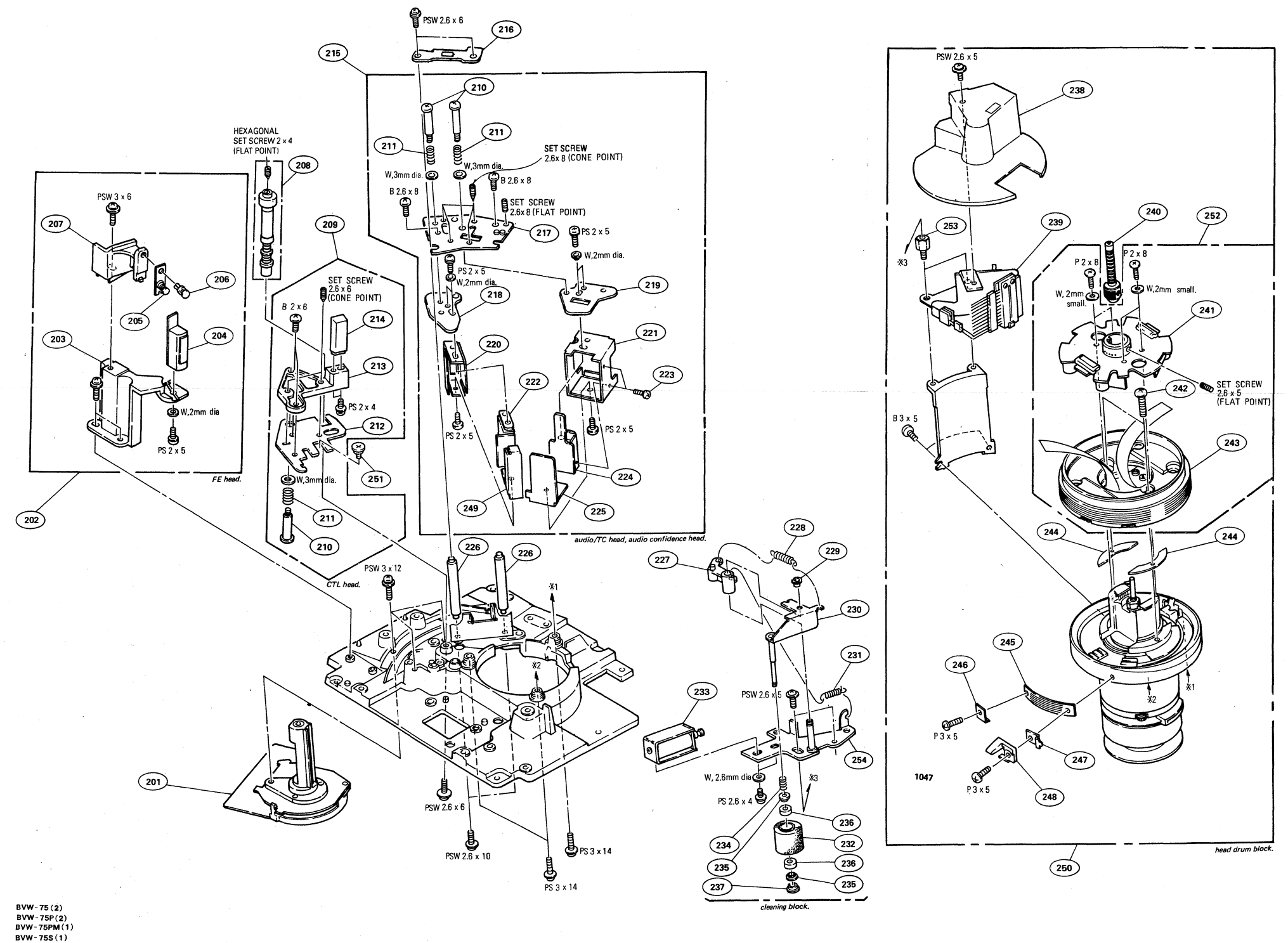
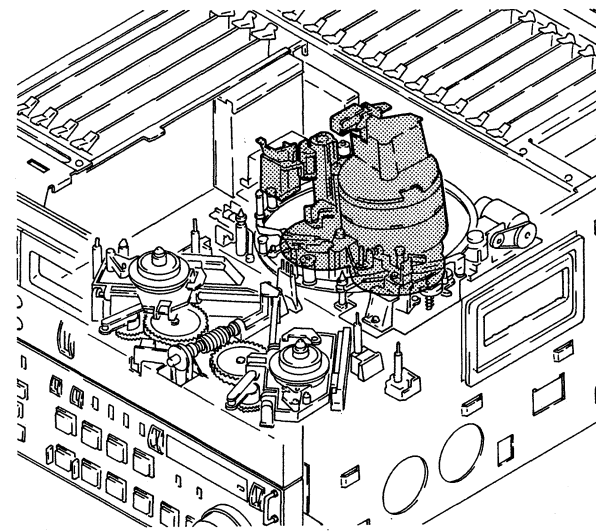
Take-up Side Reel Chassis

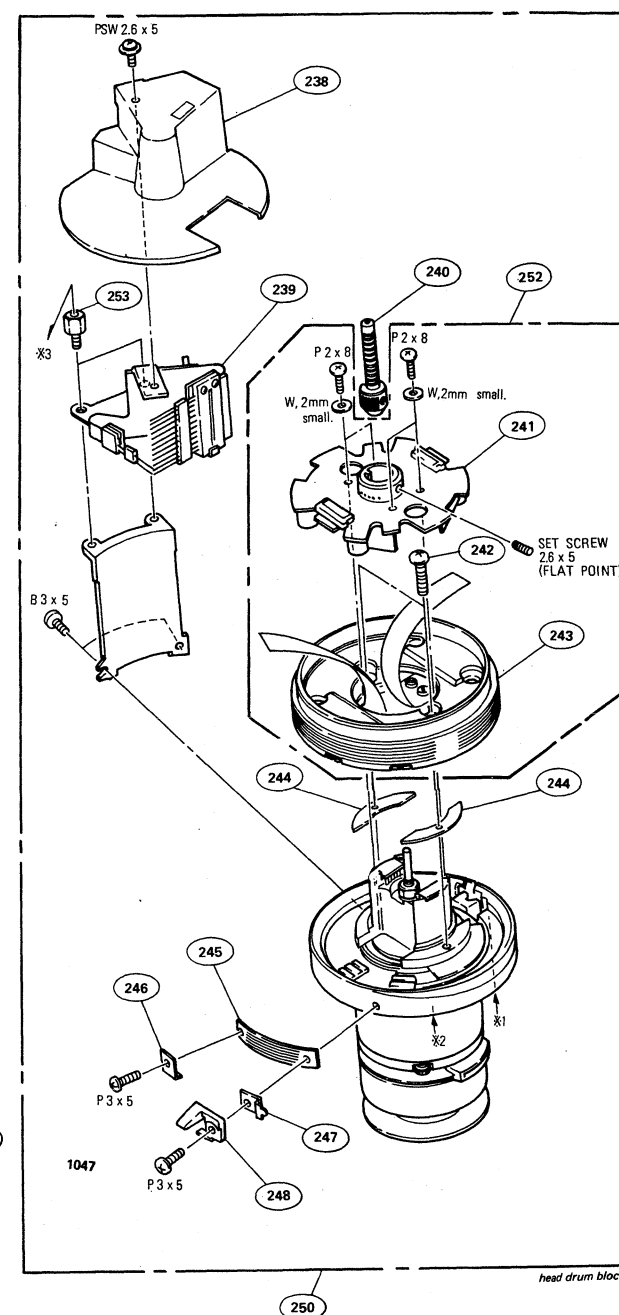
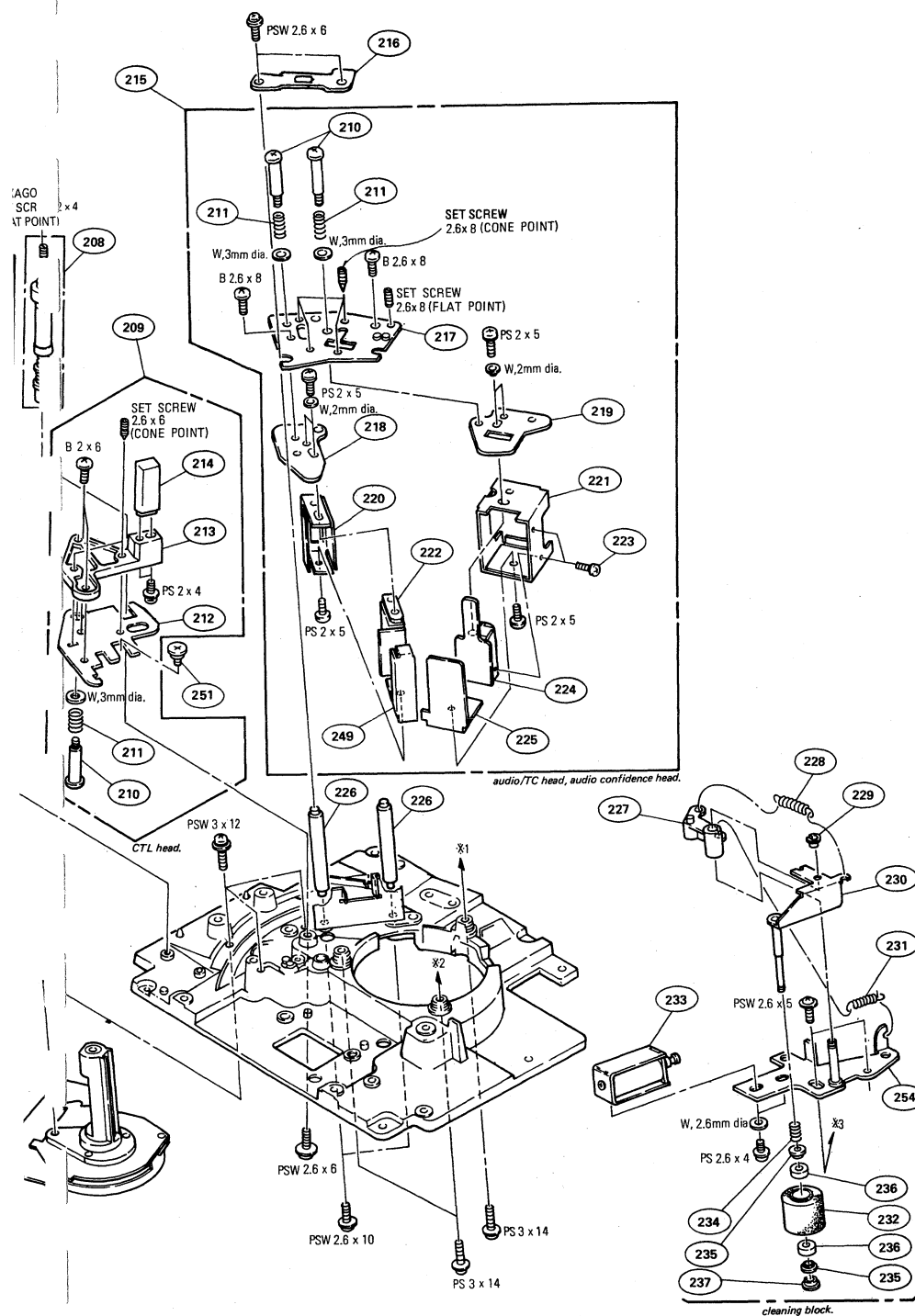


BVW-75(5)
BVW-75P(2)
BVW-75PM(1)
BVW-75S(1)

No.	Part No.	SP	Description
101	3-717-205-01	o	HOLDER (B), SHAFT
102	3-717-400-01	s	GEAR, CRANK FLAT
103	X-3717-202-1	o	ARM ASS'Y, CRANK
104	3-717-399-01	s	WHEEL, W
105	3-717-223-01	s	SHAFT, SLIDE
106	A-6737-176-A	s	PLATE (T) ASS'Y, MOTOR
107	3-717-230-01	o	BRACKET, LIMITER
108	X-3717-204-1	o	ARM (B) ASS'Y, CRANK
109	3-717-231-01	o	HOLDER, LIMITER
110	3-491-247-00	s	SPRING, COMPRESSION
111	A-6741-066-A	o	BRAKE ASS'Y
112	3-307-381-01	s	SPRING, TENSION
113	X-3717-205-1	s	LINING ASS'Y
114	3-648-217-01	o	SPRING, TENSION
115	X-3717-207-1	s	TABLE ASS'Y, REEL
116	3-701-506-01	s	SET SCREW, DOUBLE POINT 3 x 4
117	3-717-232-01	o	SHAFT, FITTING, MR SENSOR
118	1-622-606-11	o	PRINTED CIRCUIT BOARD, DE-15
119	3-717-233-01	o	BRACKET, DE-15
120	3-535-532-01	s	SPRING, TENSION
121	3-717-450-01	o	ARM, BRAKE RELEASE
122	3-717-266-01	o	CAP (S), CG SHAFT
123	1-454-417-31	s	SOLENOID, PLUNCER
124	3-717-398-01	o	TABLE, SLIDE
125	3-717-218-01	o	LEVER, MR
126	1-622-600-11	o	PRINTED CIRCUIT BOARD, PTC-23
127	4-880-426-00	o	SPRING, COMPRESSION
128	3-717-462-01	o	HOLDER, REC INHIBIT
129	A-6737-175-A	s	MOTOR ASS'Y, REEL
130	3-675-826-01	o	COVER, SHIELD, RM
131	1-559-266-11	o	WIRE, FLEXIBLE CARD
132	1-622-605-11	o	PRINTED CIRCUIT BOARD, RM-40
133	3-701-441-01	s	WASHER. POLY 4MM DIA. 0.13T
	3-701-441-11	s	WASHER. POLY 4MM DIA. 0.25T
	3-701-441-21	s	WASHER. POLY 4MM DIA. 0.5T
134	3-717-625-01	s	SPACER
135	1-807-683-11	s	RESISTOR ELEMENT

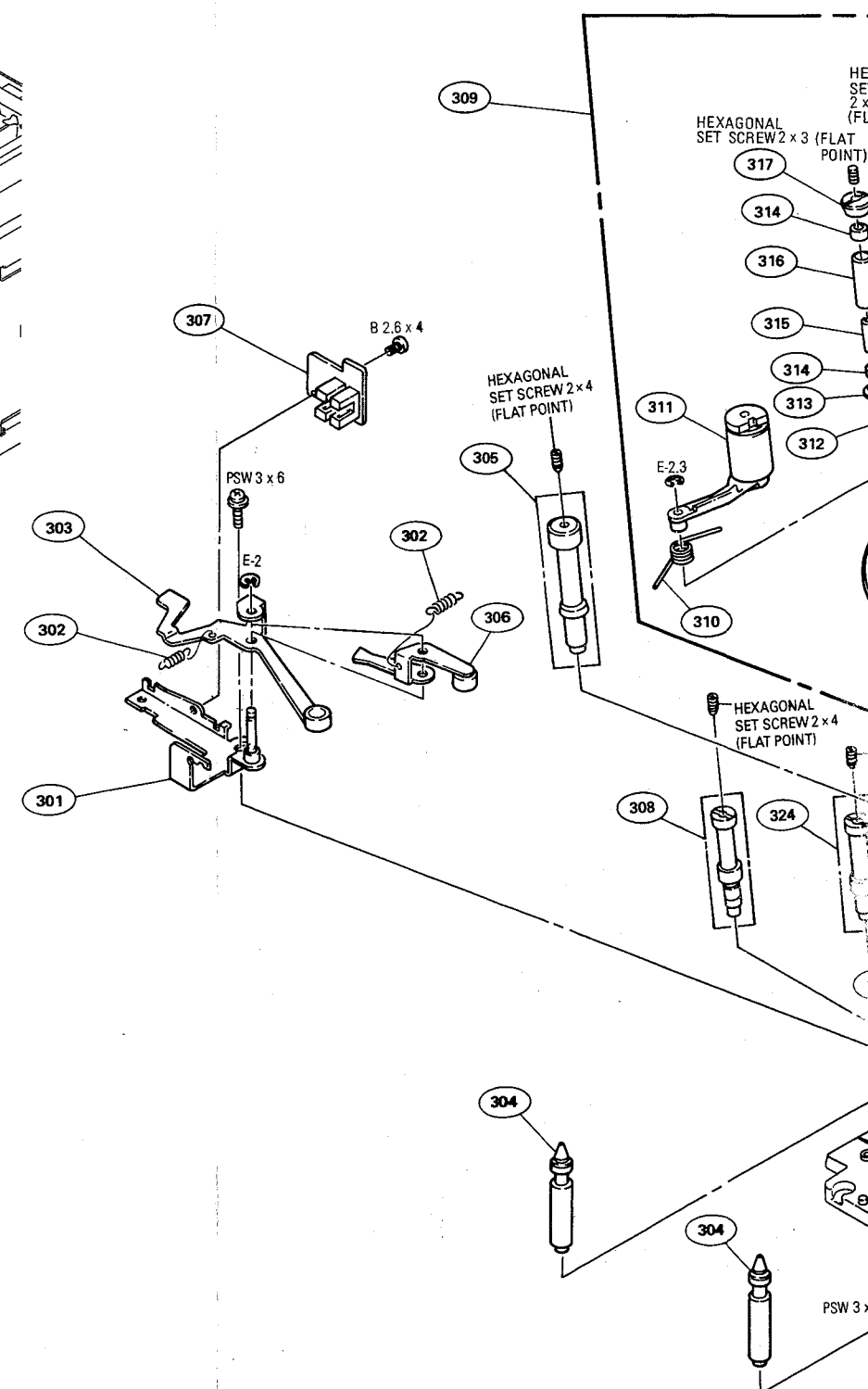
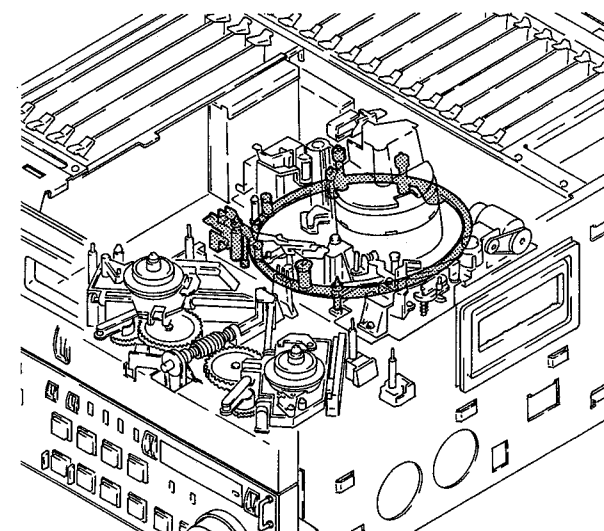
Head Drum, Stationary Heads and Tape Guides Block





No.	Part No.	SP	Description
201	8-835-259-02	s	MOTOR, DC BHF-1918A
202	A-6736-062-B	s	HEAD ASS'Y, FE
203	3-717-402-01	o	DECK, FE
204	8-825-770-72	s	HEAD, FE EF291-21
205	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
206	2-279-715-01	s	RIVET, NYLON
207	3-717-272-01	o	HOLDER, S SENSOR
208	A-6746-027-A	s	ROLLER (TG 1N) ASS'Y, TAPE
209	A-6736-061-A	o	HEAD ASS'Y CTL
210	3-437-173-02	o	SCREW, HEAD ADJUSTING
211	3-653-350-00	s	SPRING, COMPRESSION
212	3-717-522-01	o	BASE, CTL HEAD
213	3-675-842-00	o	PLATE, ADJUSTMENT, CTL
214	8-825-554-73	s	HEAD, CTL PS244-21A
215	A-6736-060-A	o	HEAD ASS'Y AU
216	3-717-243-03	o	PLATE, ADJUSTMENT, AT HEAD
217	3-717-238-01	o	DECK, HEAD
218	3-717-236-02	o	BRACKET, CF HEAD
219	3-717-234-02	o	BRACKET, AT HEAD
220	3-717-521-01	o	CASE, SHIELD, CF
221	3-717-235-01	o	CASE (1), SHIELD, AT
222	8-825-771-11	s	HEAD AUDIO CONF. PS244-2103C
223	3-703-502-41	s	SCREW
224	8-825-623-21	s	HEAD EPS244-2103B
225	3-717-237-01	o	CASE (2), SHEILD, AT
226	3-675-804-02	o	BRACKET, ADJUSTMENT PLATE
227	3-680-839-01	o	LEVER (2), C
228	3-542-475-00	s	SPRING, TENSION
229	3-703-074-00	s	CAP 3, SHAFT
230	X-3675-854-1	o	LEVER ASS'Y, C
231	3-140-263-XX	s	SPRING, TENSION (23T)
232	X-3675-858-1	s	ROLLER SUB ASS'Y, C
233	1-454-372-11	s	SOLENOID, PLUNGER
234	4-879-762-00	s	SPRING, COMPRESSION
235	3-655-966-00	s	SPACER, STEP
236	3-669-443-00	s	BEARING, BALL (NO FLANGE)
237	3-703-075-00	s	CAP 2, SHAFT
238	3-717-131-01	o	COVER, BRUSH
239	A-6050-645-A	s	BRUSH ASS'Y
240	A-6050-649-A	s	RING ASS'Y, SLIP
241	A-6050-628-A	s	PC BOARD (RP) ASS'Y, PA-68
242	3-683-825-01	s	SCREW (M3 x 10)
243	A-6762-314-A	s	UPPER DRUM ASS'Y, DBR-01-R
244	3-683-828-01	s	SPACER, FLANGE (T=0.01MM)
	3-683-828-11	s	SPACER, FLANGE (T=0.03MM)
	3-683-828-21	s	SPACER, FLANGE (T=0.1MM)
245	1-586-633-00	s	DETECTOR, DEW
246	3-655-631-00	o	TERMINAL, GROUND
247	3-675-701-00	o	TERMINAL BOARD
248	3-675-739-00	o	SPACER, INSULATING (2)
249	3-717-523-01	o	PLATE, SHIELD, CF
250	A-6050-504-A	s	HEAD DRUM ASS'Y, DBH-01A-R
251	2-236-956-00	s	SCREW, STEP
252	A-6762-403-A	s	UPPER DRUM ASS'Y, DBR-01A-R
253	3-717-106-01	o	SPACER
254	X-3675-855-1	o	BASE ASS'Y, C ROLLER

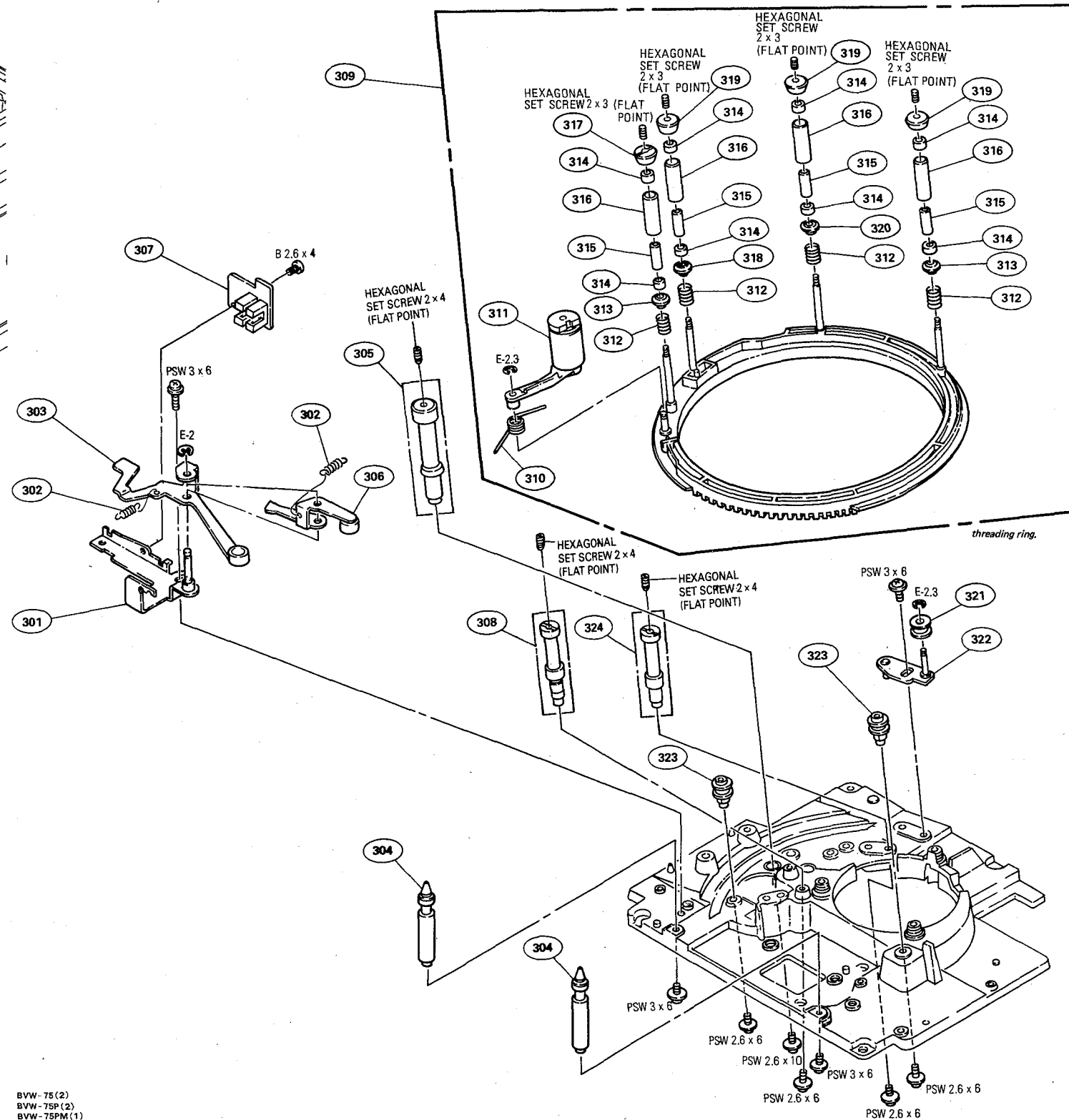
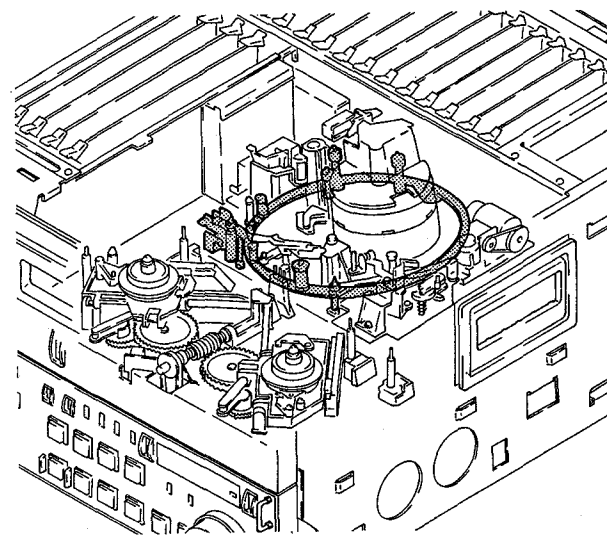
Threading Ring Block



BVW-75 (2)
BVW-75P (2)
BVW-75PM (1)
BVW-75S (1)

THREADING RING THREADING RING

Threading Ring Block

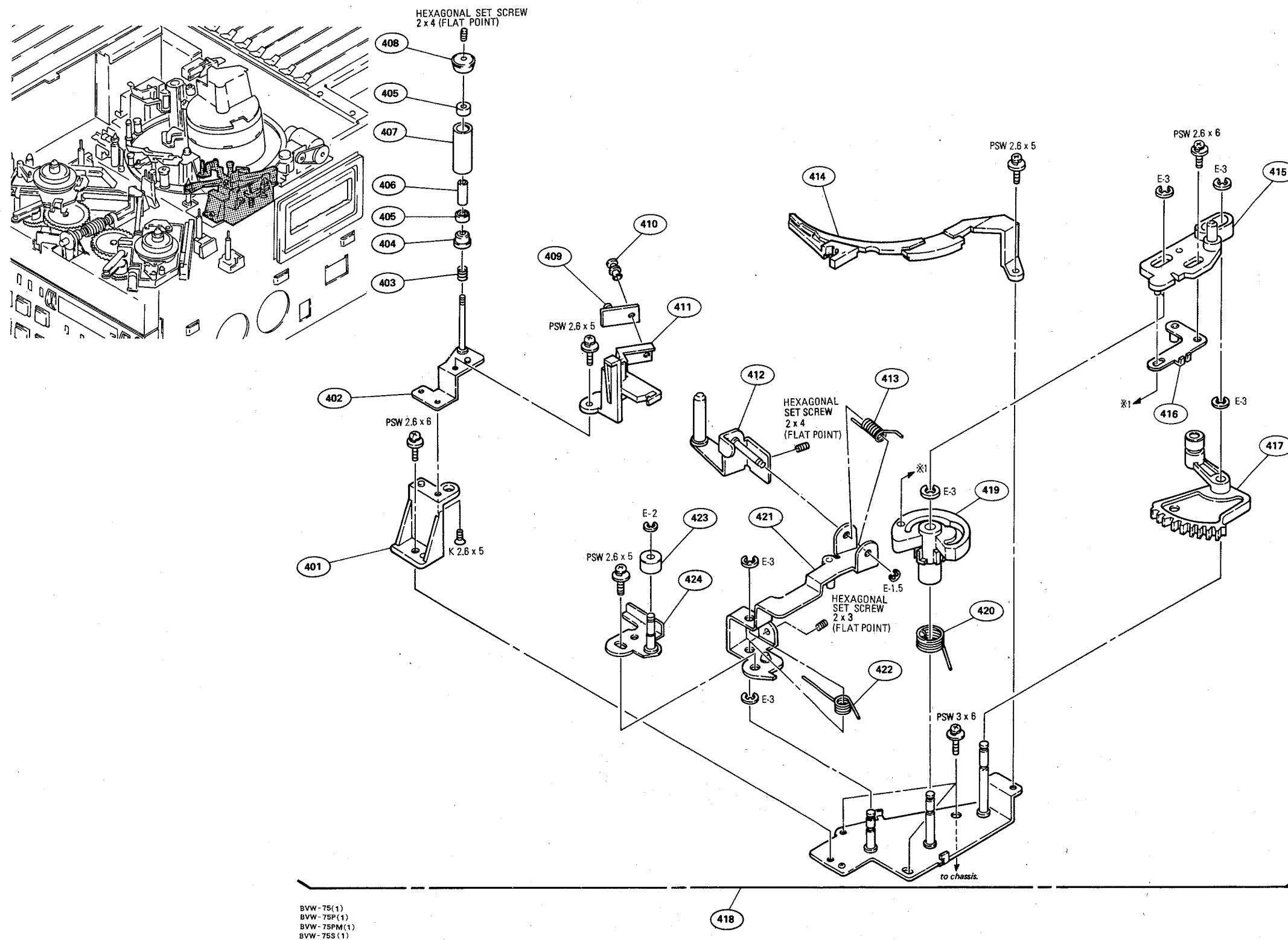


BVW-75(2)
BVW-75P(2)
BVW-75PM(1)
BVW-75S(1)

No.	Part No.	SP	Description
301	X-3717-210-1	o	BRACKET ASS'Y, RING SENSOR
302	3-533-373-00	s	SPRING, TENSION
303	X-3717-211-1	o	LEVER ASS'Y, TH END
304	3-717-242-01	o	SHAFT, CG
305	A-6746-030-C	s	ROLLER (TG4) ASS'Y, TAPE
306	X-3717-212-1	o	LEVER ASS'Y, TH.B END
307	1-622-597-11	o	PRINTED CIRCUIT BOARD, PTC-15
308	A-6746-028-C	s	ROLLER (TG2) ASS'Y, TAPE
309	A-6750-214-D	o	RING ASS'Y, LOADING
310	3-717-268-01	s	SPRING
311	X-3717-215-3	s	ARM ASS'Y, PINCH ROLLER
312	3-637-331-00	s	SPRING, COMPRESSION (L)
313	3-680-812-00	s	FLANGE, LOWER
314	3-669-443-00	s	BEARING, BALL (NO FLANGE)
315	3-680-809-00	s	RETAINER, BEARING
316	3-680-810-00	s	ROLLER
317	3-717-269-01	s	FLANGE, PRECEDING GUIDE
318	3-717-270-01	s	FLANGE (A), LOWER
319	3-717-267-01	s	FLANGE, UPPER
320	3-717-271-01	s	FLANGE (B), LOWER
321	3-675-866-00	o	ROLLER, RING
322	X-3717-208-1	o	ROLLER (B) SUB ASS'Y, RING
323	X-3675-809-0	o	ROLLER (A) ASS'Y, RING
324	A-6746-029-D	s	ROLLER (TG3) ASS'Y, TAPE

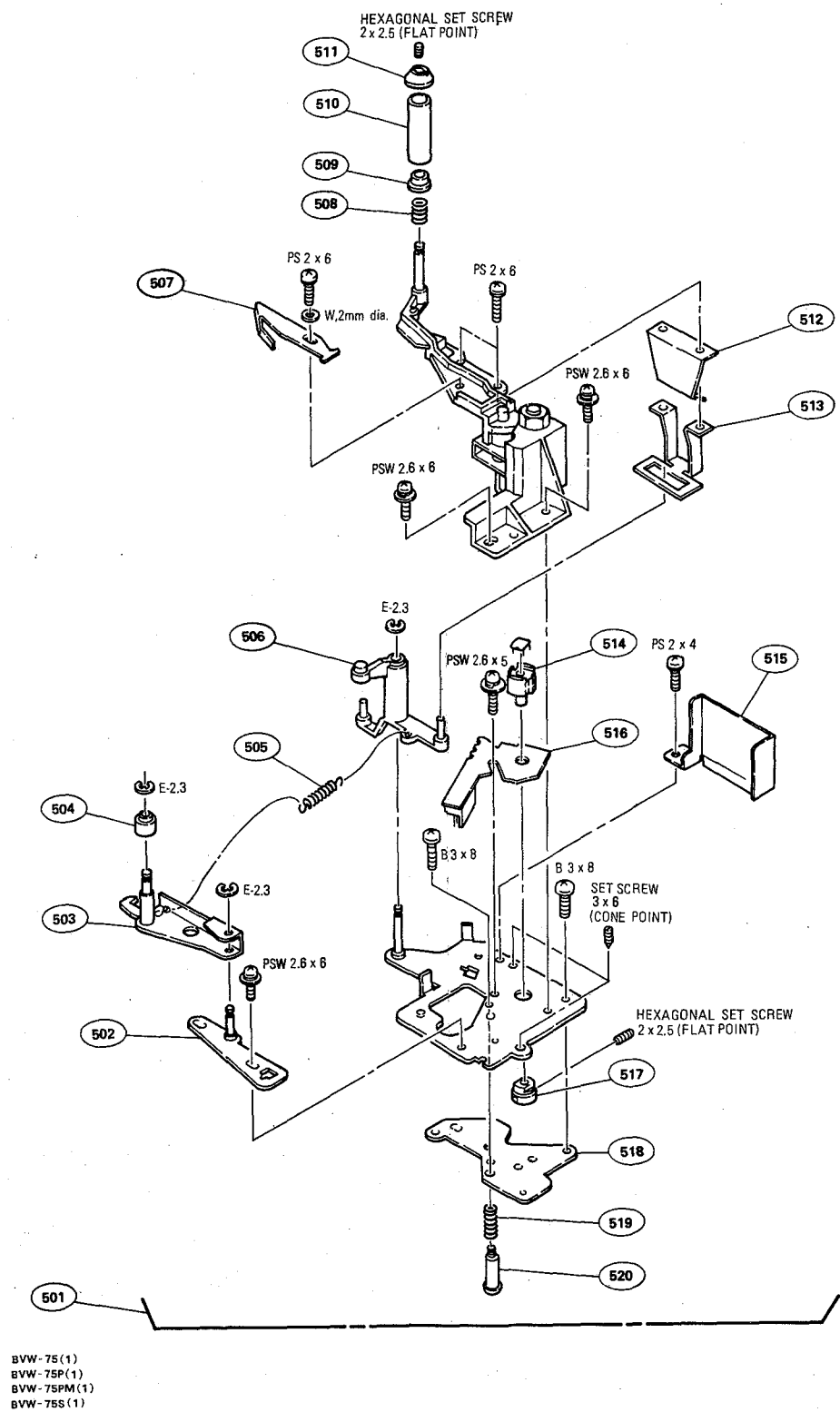
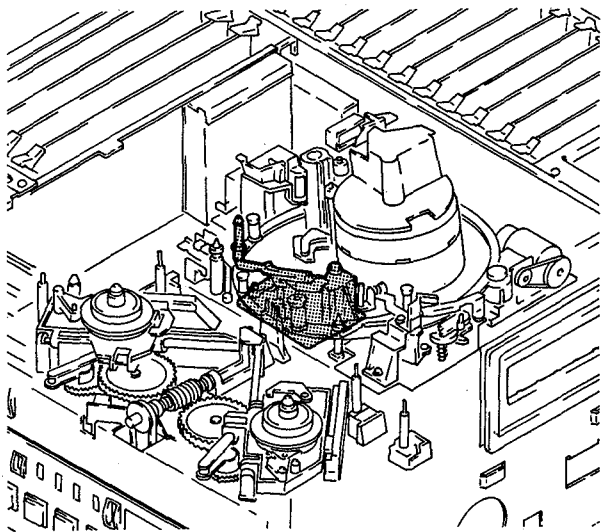
T DRAWER ARM	T DRAWER ARM
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T Drawer Arm Block



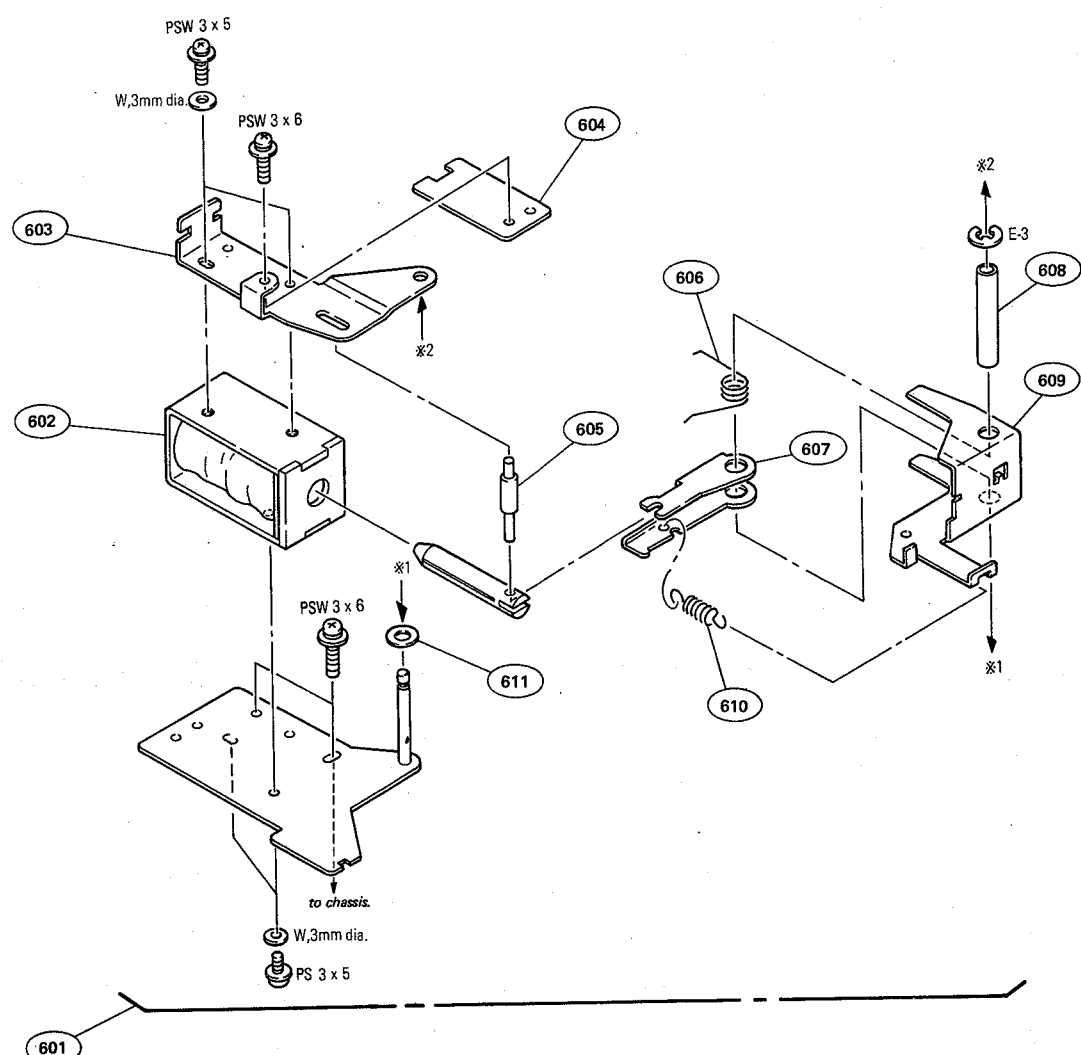
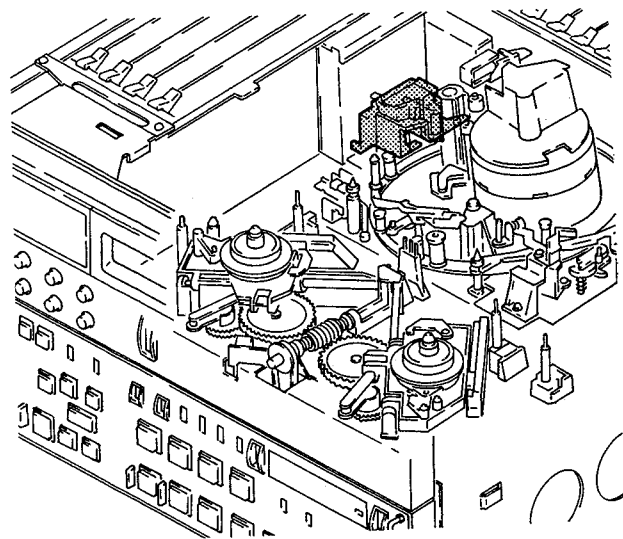
No.	Part No.	SP	Description
401	3-717-524-01	o	BRACKET, T ROLLER ASS'Y
402	X-3717-224-1	o	BASE ASS'Y, T ROLLER
403	2-618-901-00	o	SPRING
404	3-717-293-01	s	FLANGE, LOWER
405	3-669-443-00	s	BEARING, BALL (NO FLANGE)
406	3-717-294-01	o	RETAINER, BEARING
407	3-717-292-01	s	ROLLER, GUIDE
408	3-717-267-01	s	FLANGE, UPPER
409	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
410	2-279-715-01	s	RIVET, NYLON
411	3-717-537-01	o	HOLDER, SENSOR
412	X-3717-222-1	s	GUIDE ASS'Y, SLANT
413	3-717-284-01	o	SPRING (SLANT GUIDE)
414	3-717-407-01	s	RETAINER, PINCH
415	3-717-536-01	o	SLIDER
416	X-3717-223-1	o	PLATE ASS'Y, ADJUSTMENT, SLANT
417	X-3717-250-2	o	GEAR (1) ASS'Y, T
418	A-6746-047-C	s	DRAWER ASS'Y, T
419	3-717-406-01	o	GEAR (2), T
420	3-717-300-01	o	SPRING (T GEAR 2)
421	X-3717-239-1	o	ARM ASS'Y, T
422	3-717-299-01	o	SPRING
423	3-717-283-01	o	ROLLER (2)
424	X-3717-221-1	o	PLATE ASS'Y, ADJUSTMENT

Supply Tension Regulator Block



No.	Part No.	SP	Description
501	A-6742-061-A	s	ARM ASS'Y, S TENSION
502	X-3717-219-1	o	HOOK ASS'Y, TENSION REGULATOR
503	X-3717-220-1	o	ARM ASS'Y, TENSION REGULATOR
504	3-717-253-01	s	ROLLER
505	3-680-860-01	s	SPRING, TENSION (POWER TENSION)
506	X-3717-218-1	o	ARM ASS'Y, RETURN
507	3-717-277-02	o	PLATE, ADJUSTMENT, RETURN
508	2-618-901-00	o	SPRING
509	3-677-749-03	s	RETAINER, B
510	X-3675-851-0	s	ROLLER ASS'Y, TR
511	3-677-752-00	s	NUT, ADJUSTMENT, T
512	3-675-872-00	o	SPRING, LEAF
513	3-717-276-01	o	PROTECTOR
514	3-680-830-01	s	HOLDER, DME
515	3-675-885-02	o	PLATE, SHIELD, T-DME
516	1-611-279-13	o	PRINTED CIRCUIT BOARD, TR-18
517	3-680-831-00	o	COLLAR, DME
518	3-717-278-01	o	BRACKET, TR
519	3-653-350-00	s	SPRING, COMPRESSION
520	3-437-173-02	o	SCREW, HEAD ADJUSTING

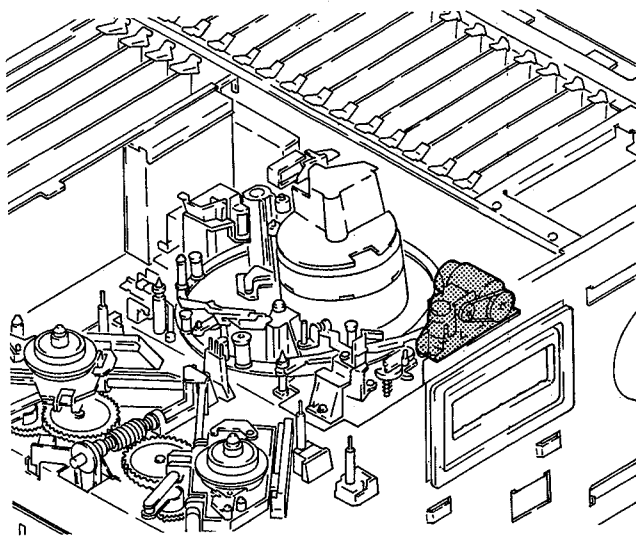
Pinch Press Mechanism Block



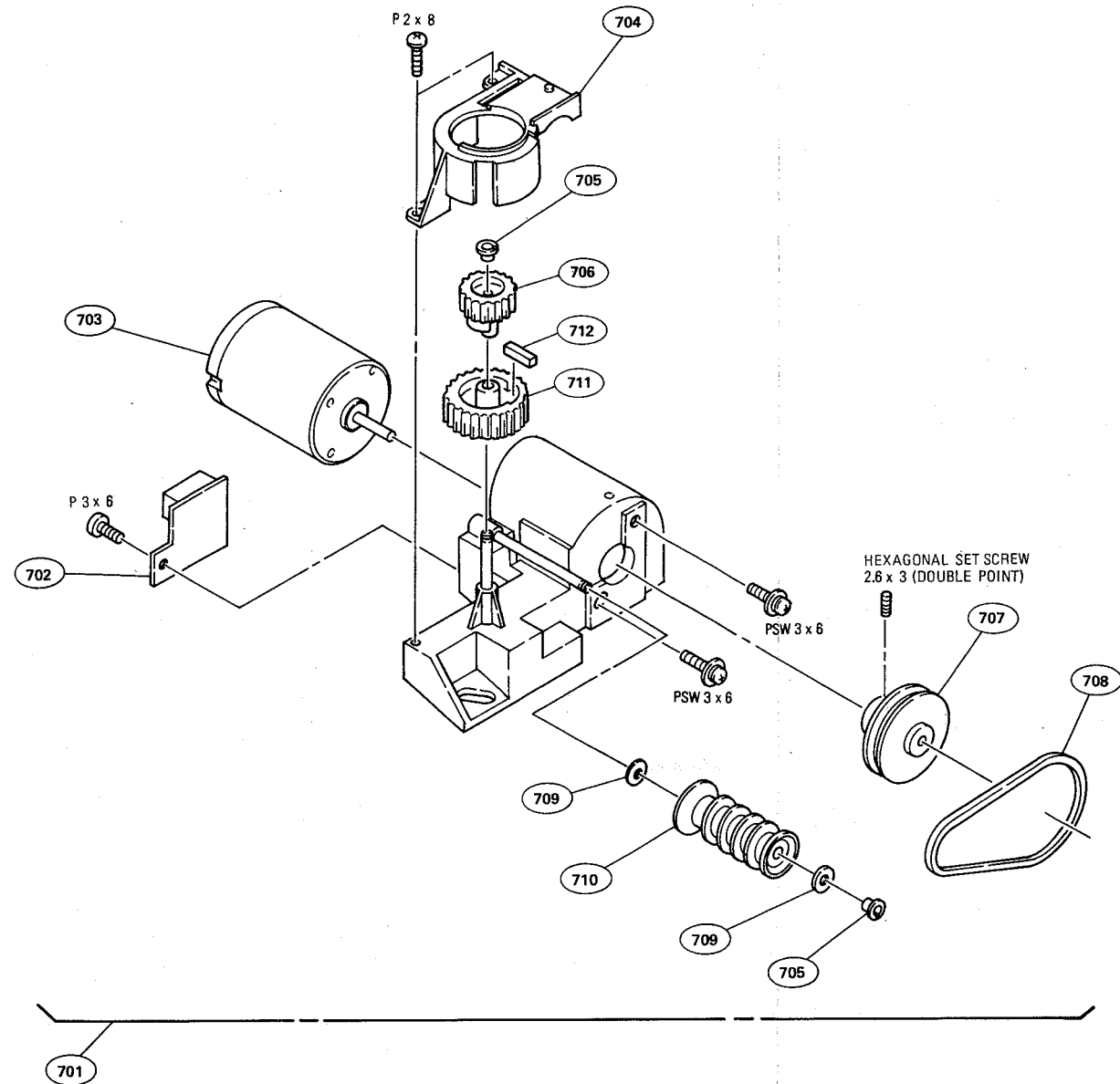
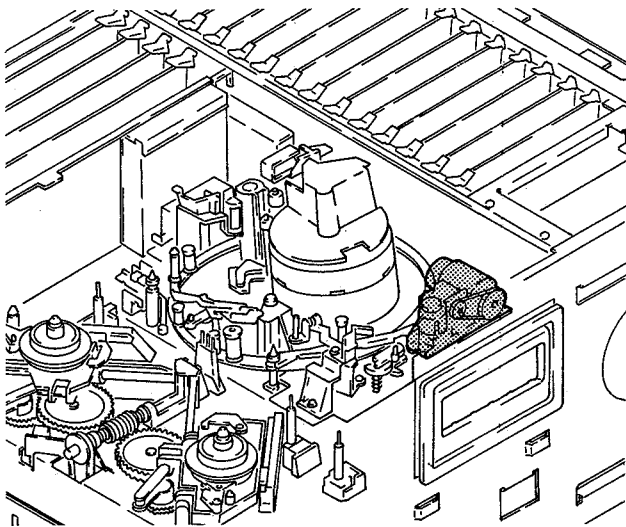
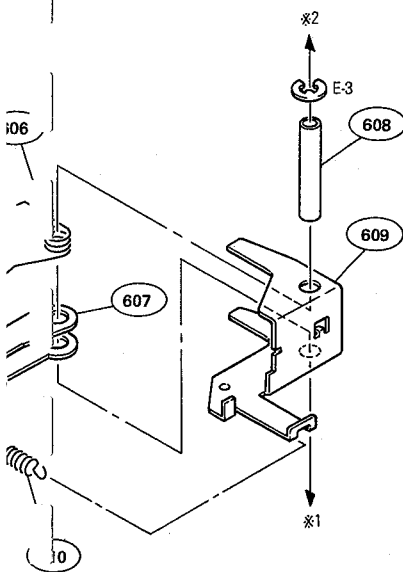
BVW-75(1)
 BVW-75P(1)
 BVW-75PM(1)
 BVW-75S(1)

No.	Part No.	SP	Description
601	A-6749-117-C	o	PRESS ASS'Y, PINCH
602	1-454-338-00	s	SOLENOID, PLUGER
603	3-717-249-01	o	STOPPER, P
604	1-622-596-11	o	PRINTED CIRCUIT BOARD, PD-35
605	3-717-250-02	o	SHAFT, JOINT, P
606	3-717-248-01	o	SPRING
607	3-717-247-01	o	LIMITER, P
608	3-653-382-01	o	SPACER (4 x 25)
609	3-717-246-01	o	LEVER, PRESS, P
610	3-537-674-03	s	SPRING, TEMSION
611	3-701-441-21	s	WASHER POLY, 4MM DIA. 0.5T

Gear Box Block



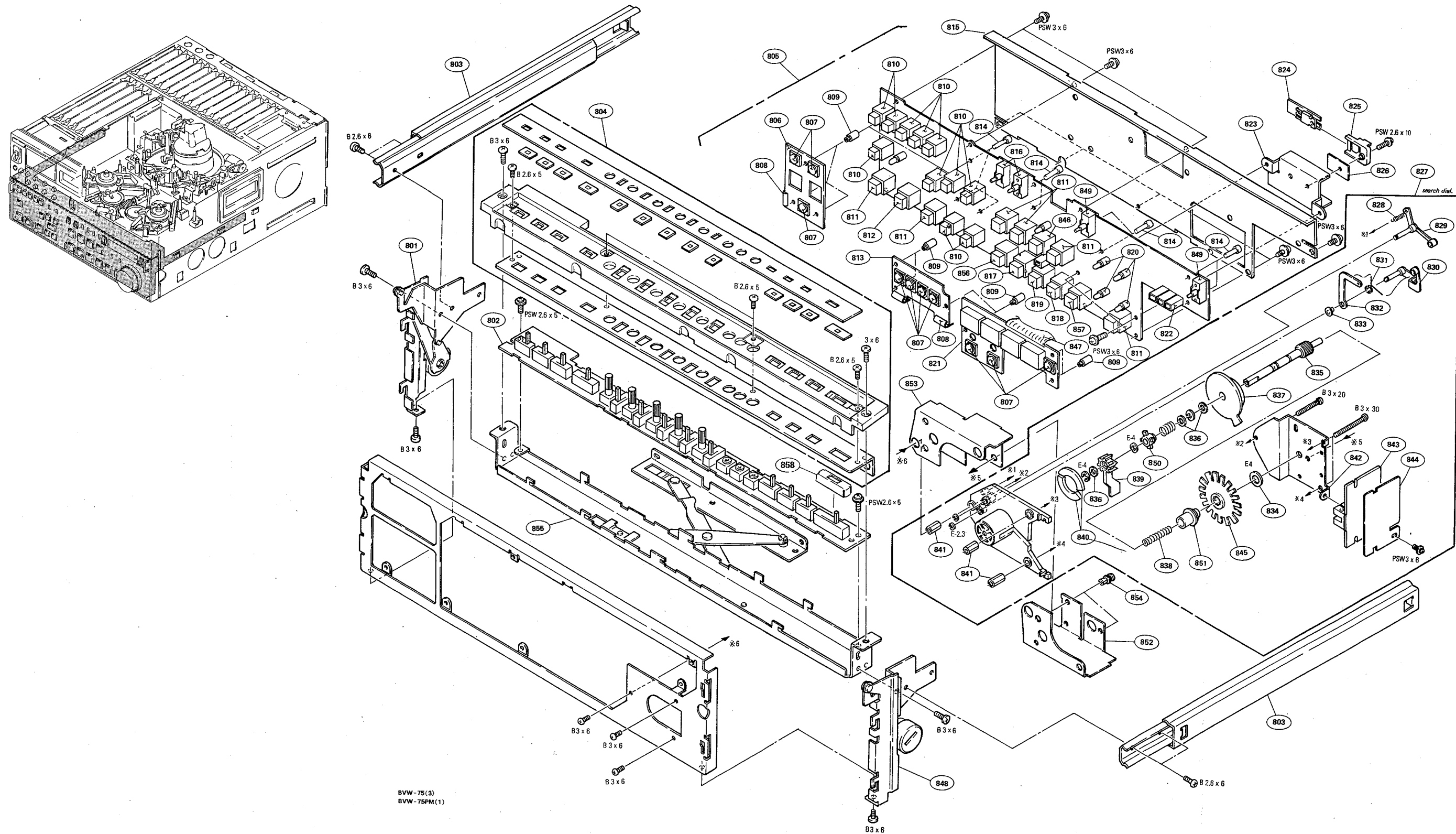
Gear Box Block



701
BVW-75(1)
BVW-75P(1)
BVW-75PM(1)
BVW-75S(1)

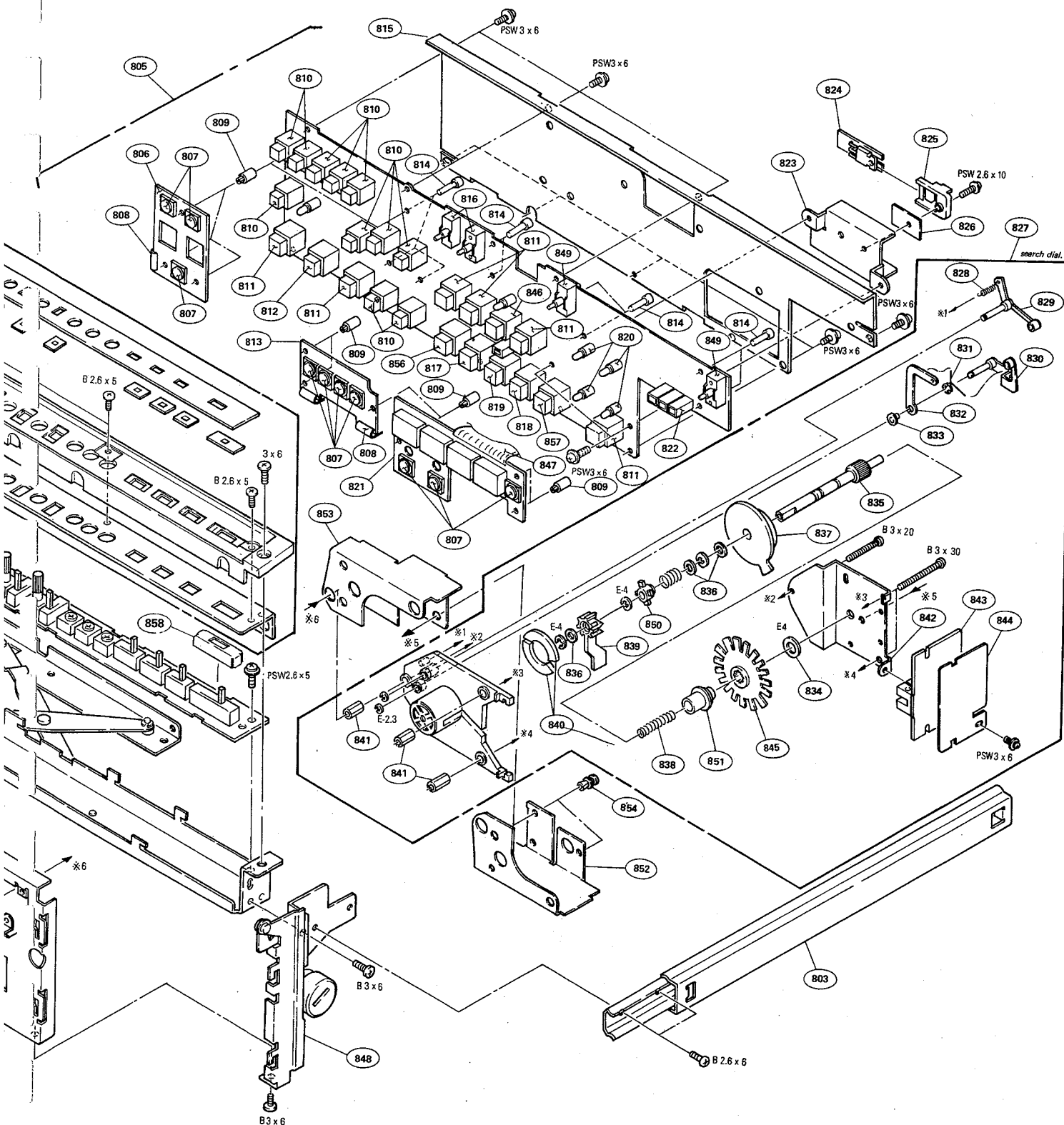
No.	Part No.	SP	Description
701	A-6750-213-F	s	BOX ASS'Y, GEAR
702	1-622-607-11	o	PRINTED CIRCUIT BOARD, PTC-31
703	8-835-179-01	s	MOTOR, DC MCB2B15
704	3-717-550-02	o	COVER, GEAR BOX
705	3-703-074-00	s	CAP 3, SHAFT
706	3-180-036-01	s	GEAR, LIMITER
707	3-717-261-02	o	PULLEY, MOTOR
708	3-688-066-01	s	BELT, LM
709	3-701-439-21	s	WASHER POLY 3MM DIA. 0.5T
710	X-3717-214-2	s	WORM ASS'Y
711	3-180-037-01	s	WHEEL, WORM
712	3-180-038-01	s	RUBBER, LIMITER

Function Control Chassis Block



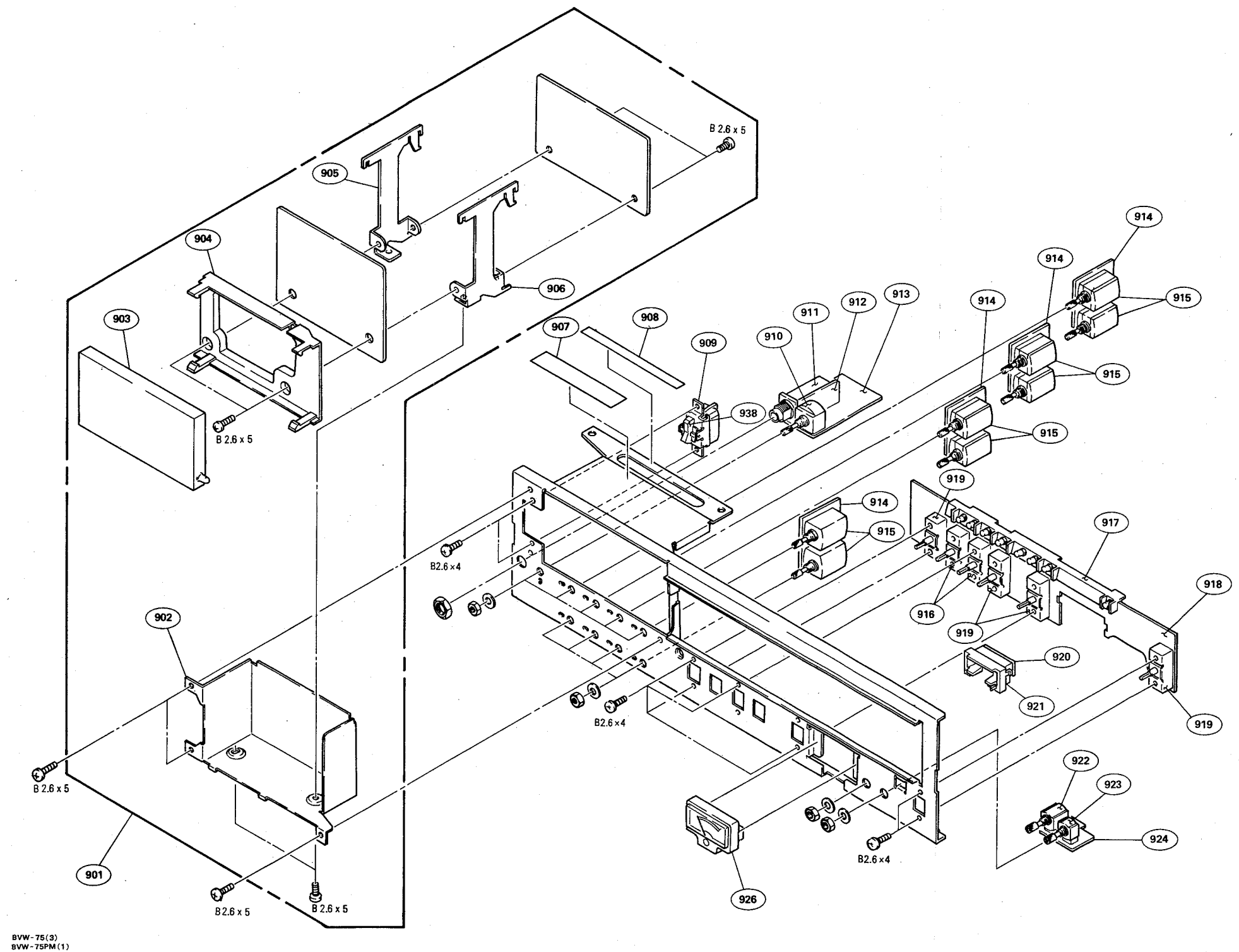
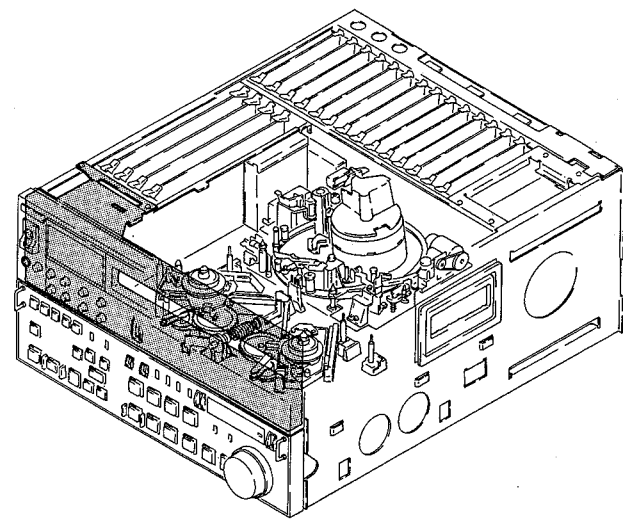
No.	Part
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802	A-671
803	X-371
804	X-371
805	A-673
806	1-622
807	1-552
808	1-557
809	3-659
810	1-571
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813	1-622
814	3-659
815	3-717
816	1-516
817	1-571
818	1-571
819	1-571
820	3-30
821	1-622
822	3-66
823	3-71
824	1-60
825	3-66
826	3-66
827	A-67
828	3-63
829	X-37
830	X-37
831	3-71
832	X-37
833	3-71
834	3-66
835	X-37
836	3-70
837	3-71
838	3-71
839	3-71
840	3-71
841	2-28
842	3-71
843	1-66
844	3-71
845	3-71
846	1-57
847	1-57
848	X-37
849	1-51
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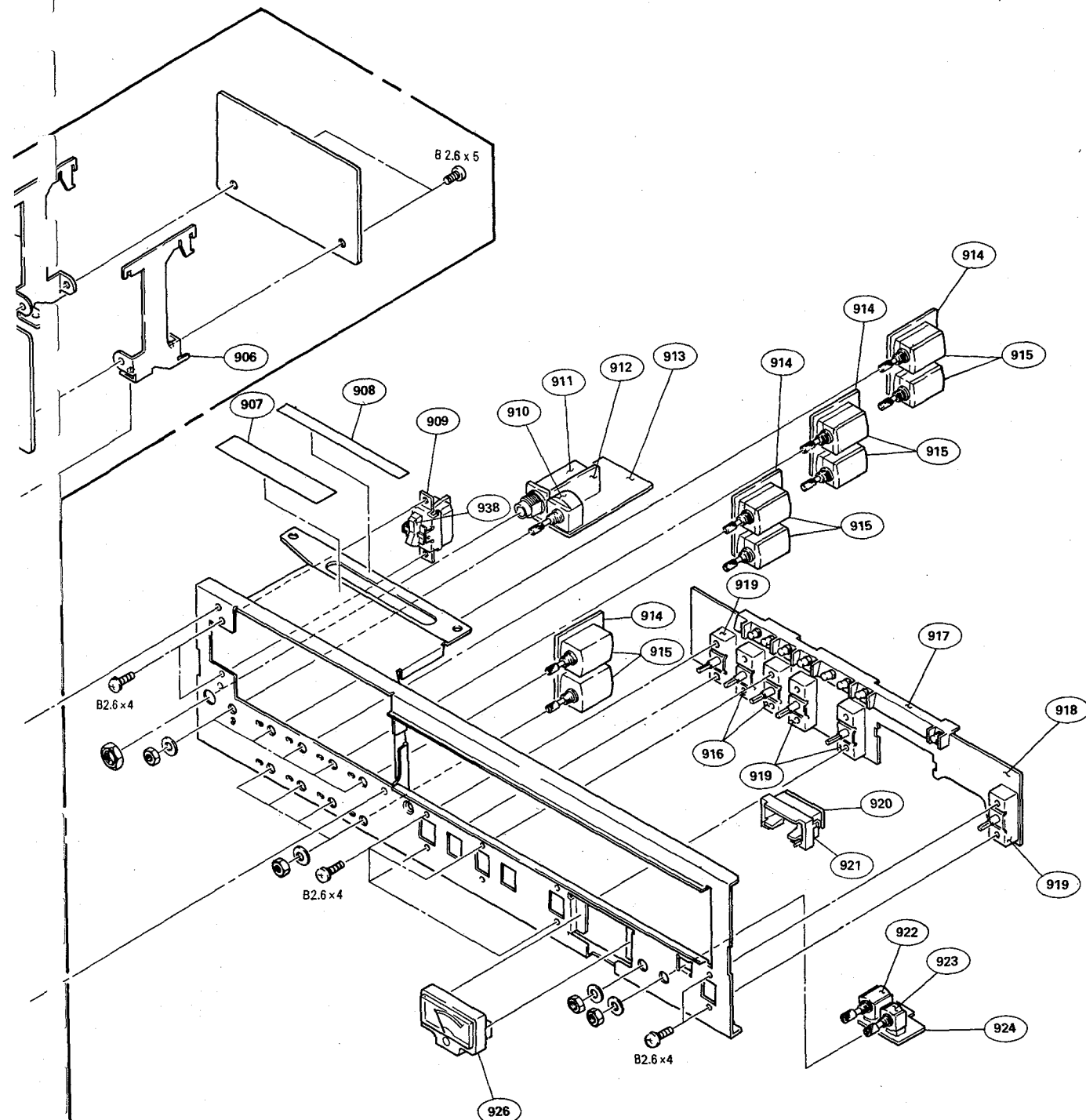
FUNCTION CONTROL FUNCTION CONTROL



No.	Part No.	SP	Description
801	X-3717-251-1	o	SLIDER (LEFT) ASS'Y
802	A-6717-445-A	o	MOUNTED CIRCUIT BOARD, CP-103
803	X-3717-253-1	o	RAIL ASS'Y, SLIDE
804	X-3717-262-1	o	SUB PANEL ASS'Y
805	A-6734-236-A	o	CHASSIS ASS'Y, KEY
806	1-622-554-11	o	PRINTED CIRCUIT BOARD KY-107
807	1-552-539-00	s	SWITCH, KEY BOARD
808	1-557-236-11	o	WIRE, FLAT TYPE 6P
809	3-659-487-00	s	HOLDER, BUZER
810	1-571-280-11	s	SWITCH, TACTIL
811	1-571-167-11	s	SWITCH, TACTIL
812	1-571-168-11	s	SWITCH, TACTIL
813	1-622-555-11	o	PRINTED CIRCUIT BOARD, KY-108
814	3-659-488-00	s	PIN, BUZER HOLDER
815	3-717-416-04	o	PROTECTOR, KY
816	1-516-961-00	s	SWITCH, LEVER SLIDE
817	1-571-167-31	s	SWITCH, TACTIL
818	1-571-167-41	s	SWITCH, TACTIL
819	1-571-167-21	s	SWITCH, TACTIL
820	3-305-651-11	s	RETAINER, LED
821	1-622-556-11	o	PRINTED CIRCUIT BOARD, DP-71
822	3-668-124-00	o	HOLDER, LED
823	3-717-309-01	o	BRACKET, PT
824	1-605-018-00	o	PRINTED CIRCUIT BOARD, PT-9
825	3-669-904-00	o	HOLDER, PT
826	3-660-978-00	s	SHEET, HEAT RESISTING
827	A-6734-238-C	o	DIAL BLOCK ASS'Y, SEARCH
828	3-639-371-00	s	SPRING, TENSION
829	X-3717-229-1	o	ARM ASS'Y, RETURN
830	X-3717-227-1	o	ARM (RIGHT) ASS'Y, S10
831	3-717-319-01	o	SPRING, TORSION
832	X-3717-228-1	o	ARM (LEFT) ASS'Y, S10
833	3-717-318-01	o	BEARING, S10
834	3-662-048-00	s	WASHER POLY 5MM DIA. 0.25T
835	X-3717-226-1	o	SHAFT SUB ASS'Y, MAIN
836	3-701-443-21	s	WASHER POLY 5MM DIA. 0.5T
837	3-717-417-01	o	CAM
838	3-717-320-01	o	SPRING, COMPRESSION
839	3-717-316-03	o	GUIDE, LOCK IN
840	3-717-317-01	o	PLATE, CLUTCH
841	2-280-622-11	o	SUPPORT (M3), HEXAGON
842	3-717-315-01	o	PLATE, BOTTOM, SD
843	1-622-638-12	o	PRINTED CIRCUIT BOARD, PTC-32
844	3-717-321-01	o	PROTECTOR, PTC
845	3-717-418-01	o	PLATE
846	1-571-168-21	s	SWITCH, TACTIL
847	1-557-237-11	o	WIRE, FLAT TYPE 23P
848	X-3717-252-1	o	SLIDER (RIGHT) ASS'Y
849	1-516-995-00	s	SWITCH, LEVER SLIDE
850	3-717-546-02	o	GUIDE, LOCK OUT
851	3-717-553-01	o	BEARING, SD
852	3-717-587-02	o	COVER (W), SD
853	3-718-771-01	o	COVER (U), SD
854	3-531-576-01	s	RIVET, NYLON
855	X-3717-254-1	o	CHASSIS SUB ASS'Y, SUB
856	1-571-169-11	s	SWITCH, TACTIL
857	1-571-169-21	s	SWITCH, TACTIL
858	3-717-520-01	o	PLATE (for J, UC)

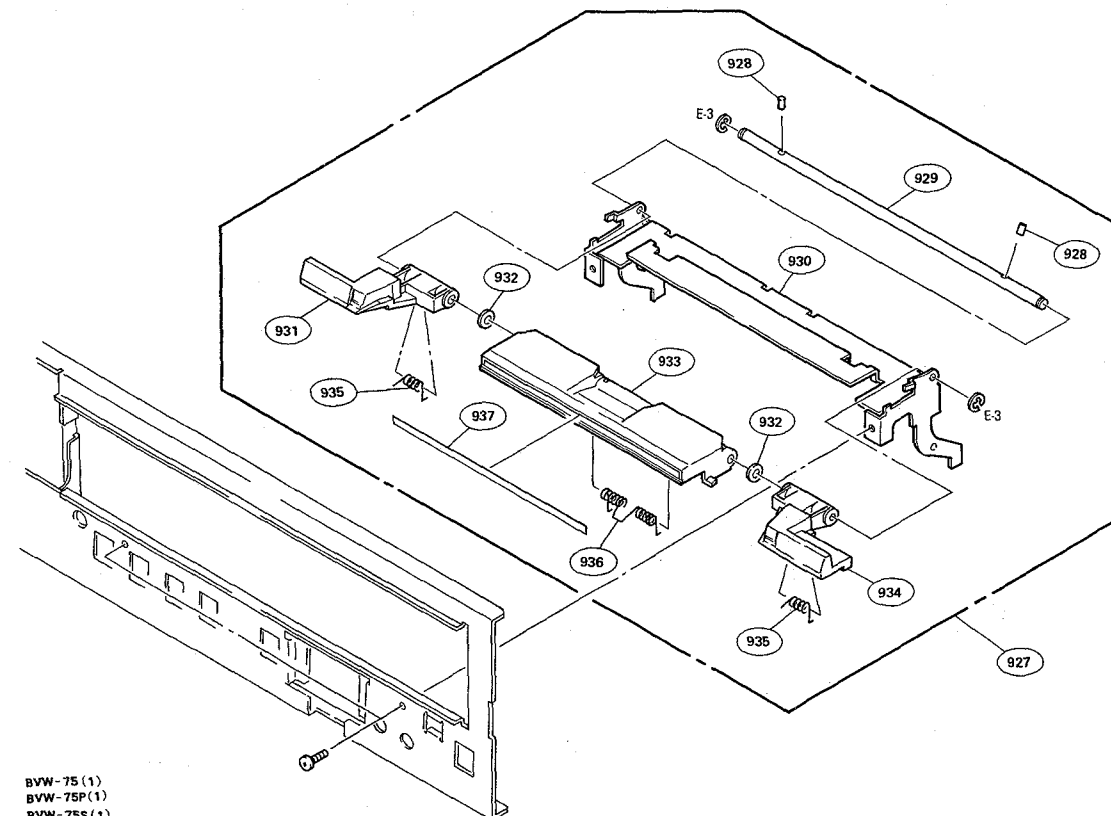
Level Control Chassis Block





19-24

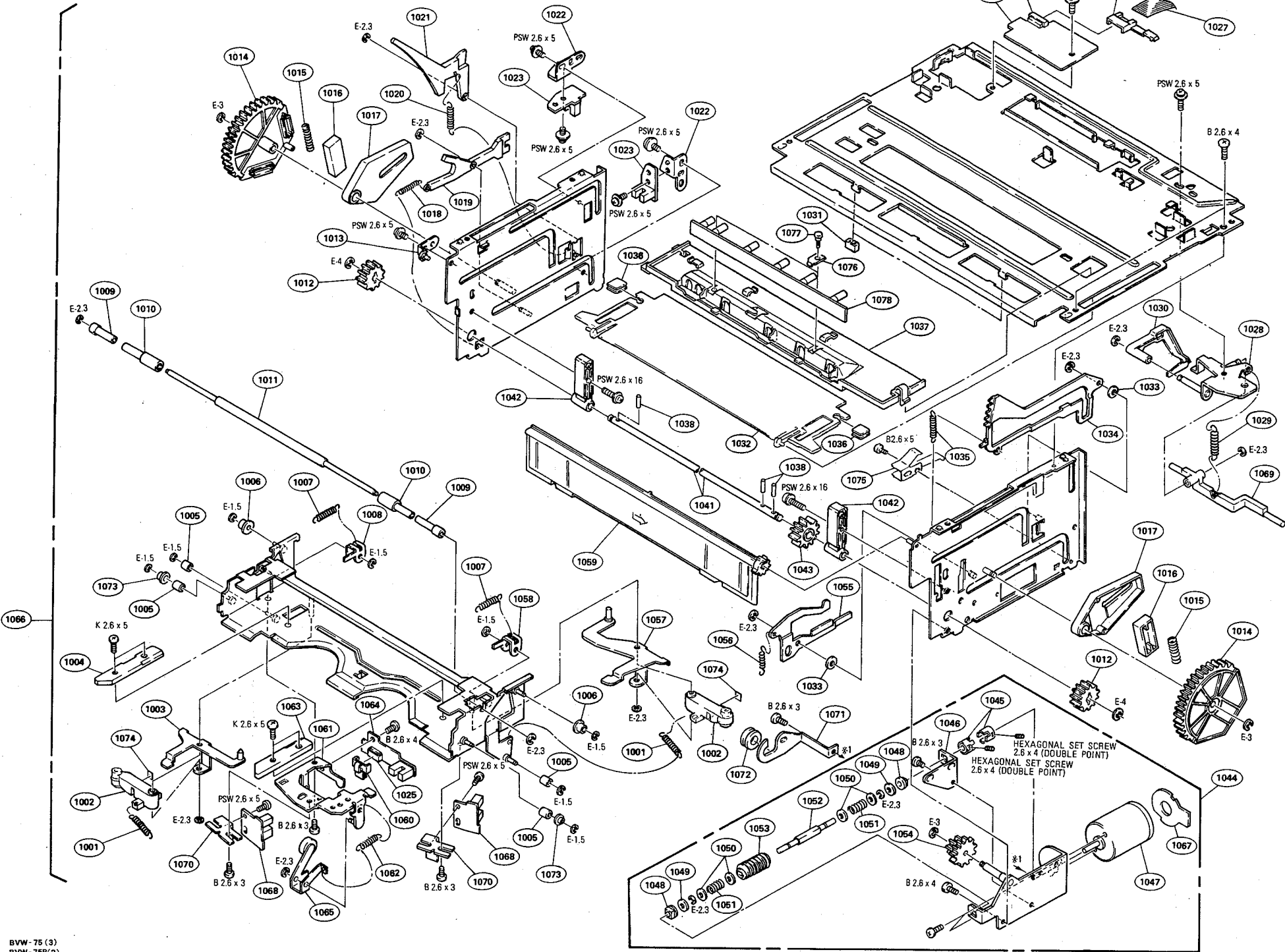
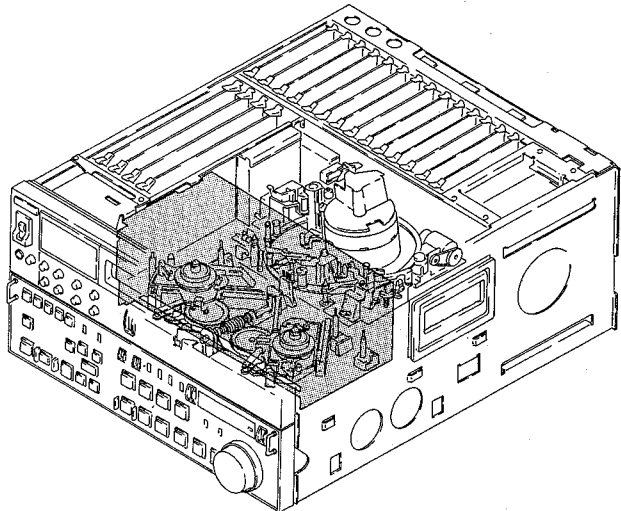
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901	A-6730-924-A	o	TUBE ASS'Y, INDICATION	916	1-516-994-00	s	SWITCH, LEVER SLIDE
902	3-717-539-01	o	CASE, INDICATION TUBE	917	3-717-474-02	o	HOLDER, LED
903	1-520-496-11	s	LEVEL METER, AUDIO	918	1-622-573-14	o	PRINTED CIRCUIT BOARD, SW-144
904	3-717-538-03	o	HOLDER, VFD	919	1-516-995-00	s	SWITCH, LEVER SLIDE
905	3-717-532-01	o	BRACKET (LEFT), DP	920	1-622-591-11	o	DP-72 BOARD
906	3-717-531-01	o	BRACKET (RIGHT), DP	921	3-717-323-02	o	COVER, METER LED
907	3-717-530-01	o	LABEL (BF), PC BOARD	922	1-237-782-11	s	CARBON RV TYPE 12 ONE SHAFT
908	3-727-094-01	o	LABEL (M), PC BOARD	923	1-237-719-00	s	CARBON RV TYPE 12
909	1-570-117-11	s	SWITCH, LOCKER (AC POWER)	924	1-622-588-11	o	PRINTED CIRCUIT BOARD, VR-61
910	1-230-501-11	s	RES, VAR, CARBON 20K/20K	926	1-520-494-11	s	METER, LEVEL (VIDEO)
911	1-507-863-31	s	JACK, LARGE TYPE	927	A-6751-377-D	o	GUIDE ASS'Y, SC
912	1-622-590-13	o	PRINTED CIRCUIT BOARD, HP-33	928	3-677-193-01	o	PIN, STOPPER
913	1-622-589-11	o	PRINTED CIRCUIT BOARD, VR-62	929	3-717-617-01	o	SHAFT, SC GUIDE
914	1-622-592-11	o	PRINTED CIRCUIT BOARD, VR-42	930	3-717-621-03	o	BRACKET, SC GUIDE
915	1-237-781-11	s	CARBON, RV TYPE 12 ONE SHAFT	931	3-717-618-01	o	GUIDE L, SC
				932	3-701-441-21	s	WASHER POLY 4MM DIA. 0.5T
				933	3-717-620-01	o	BRACKET, C-LOCK OUT
				934	3-717-619-01	o	GUIDE R, SC
				935	3-717-616-01	o	SPRING, SC GUIDE
				936	3-717-615-01	o	SPRING, C-LOCK OUT
				937	3-717-614-01	o	PLATE, C-LOCK OUT
				938	3-688-814-01	s	CAP, SWITCH



BVW-75 (1)
BVW-75P (1)
BVW-75S (1)
BVW-75PM (1)

19-25

Cassette-up Compartment



BVW-75 (3)
BVW-75P (2)
BVW-75PM (1)
BVW-75S (1)

- No.
1001
1002
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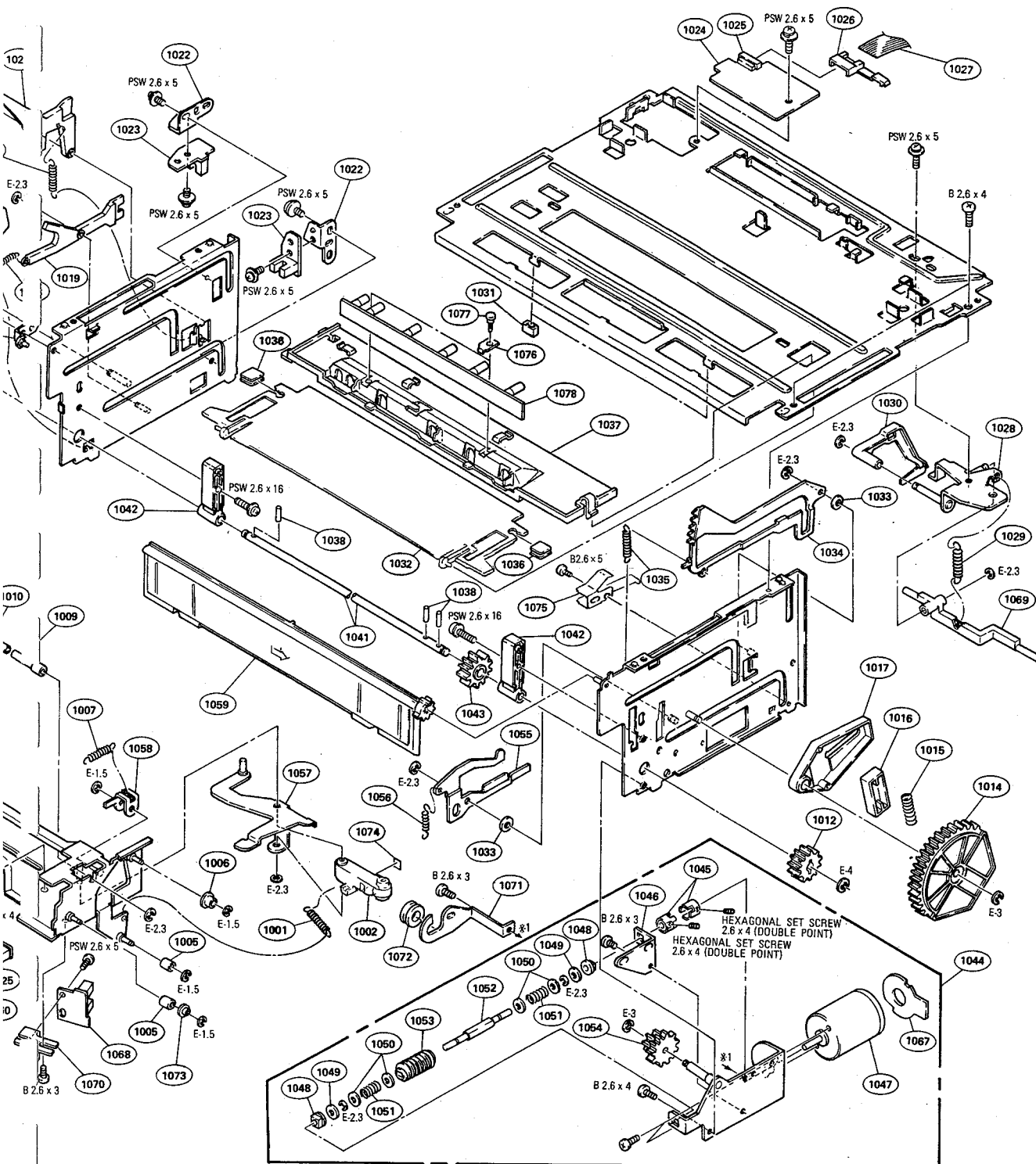
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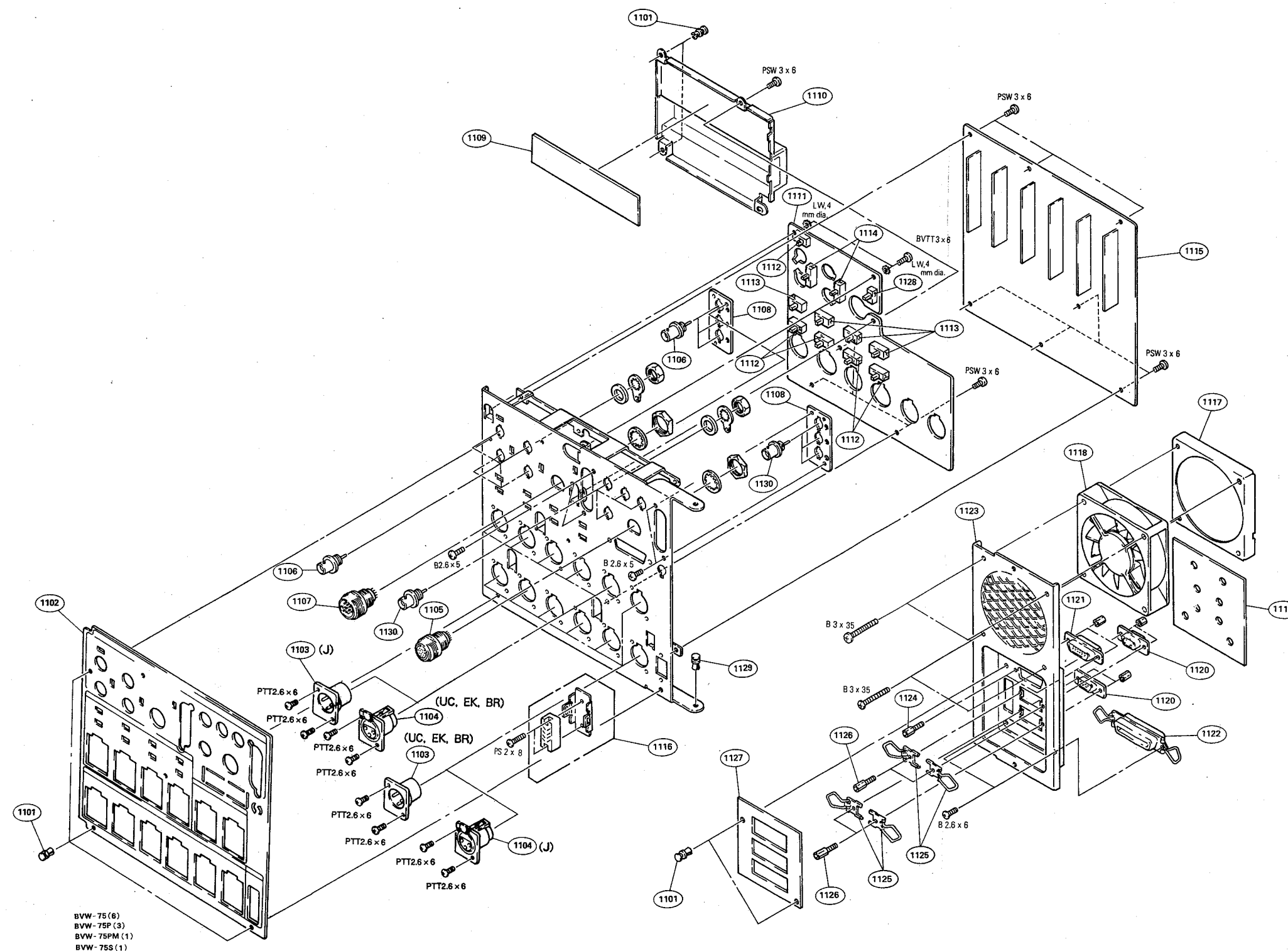
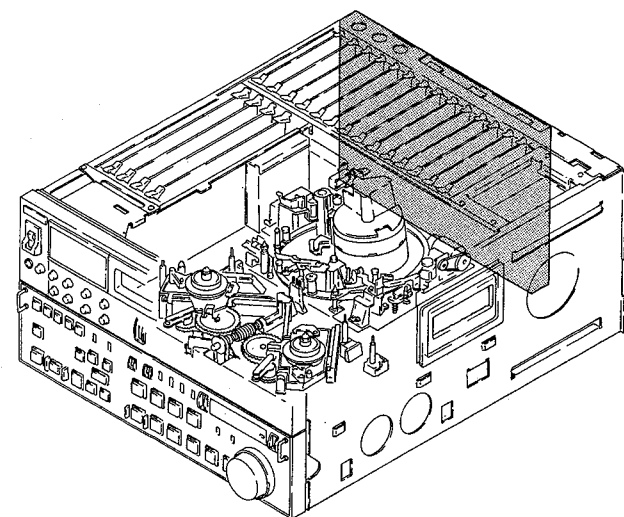
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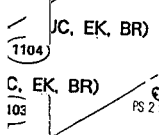
No.	Part No.	SP	Description
1001	3-578-389-00	s	SPRING, TENSION
1002	X-3717-361-1	o	ARM ASS'Y, PUSH OUT
1003	X-3717-362-1	o	ARM (LEFT) ASS'Y, CASSETTE IN
1004	3-717-461-03	o	GUIDE (LEFT), CASSETTE
1005	3-717-351-01	o	ROLLER (B), GUIDE
1006	3-677-187-00	s	ROLLER, GUIDE
1007	3-489-325-01	s	SPRING, TENSION
1008	3-717-347-01	o	ARM (LEFT), CASSETTE PRESS
1009	3-717-350-01	o	ROLLER (L), PRESS
1010	3-717-349-01	o	ROLLER (S), PRESS
1011	3-717-348-03	o	SHAFT, PRESS ROLLER
1012	3-717-365-01	s	GEAR, JOINT DRIVING
1013	X-3717-236-1	o	BRACKET ASS'Y, DOOR
1014	3-717-475-01	s	GEAR, DRIVING
1015	3-717-458-01	s	SPRING, COMPRESSION
1016	3-717-356-01	o	SLIDER, ARM DRIVING
1017	3-717-355-01	o	ARM, DRIVING
1018	3-531-863-01	s	SPRING, TENSION
1019	3-717-361-02	o	ARM (1), DOWN SW
1020	3-140-263-XX	s	SPRING, TENSION
1021	3-717-362-02	o	ARM (2), DOWN SW
1022	3-717-339-01	o	BRACKET, PHOTO
1023	1-622-604-11	o	PRINTED CIRCUIT BOARD, PC-33
1024	1-622-602-11	o	PRINTED CIRCUIT BOARD, CL-14
1025	1-563-969-11	o	CONNECTOR, F.P.C, 7P
1026	3-717-368-01	o	HOLDER (B), F.P.C
1027	1-559-265-11	o	WIRE, FLEXIBLE CARD
1028	X-3717-235-1	o	CHASSIS ASS'Y, LID OPEN LEVER
1029	3-491-360-00	s	SPRING, TENSION
1030	3-717-453-01	s	LEVER, LID OPEN
1031	3-717-369-03	o	STOPPER, DOOR
1032	X-3717-365-4	o	REFLECTOR ASS'Y
1033	3-701-439-21	s	WASHER POLY 3MM DIA. 0.5T
1034	3-717-457-01	o	ARM, DOOR SWITCHING
1035	3-668-508-00	s	SPRING, TENSION

No.	Part No.	SP	Description
1036	3-717-596-01	o	RUBBER, VIBRATION PROOF
1037	3-717-586-04	s	HOLDER (MAIN), LAMP
1038	3-703-358-03	o	PIN, PARALLEL (DIA.2 x 8)
1041	3-717-363-01	o	SHAFT, JOINT
1042	3-717-359-01	o	BEARING, DRIVING GEAR
1043	3-717-364-01	s	GEAR, JOINT
1044	A-6737-178-A	s	MOTOR BLOCK ASS'Y
1045	3-717-352-01	o	JOINT, MOTOR
1046	3-717-354-01	o	BRACKET, WORM
1047	1-541-376-11	s	MOTOR, DC (DNR-4700A)
1048	3-717-214-01	o	BEARING, WORM
1049	3-717-213-01	o	WASHER (A), WORM
1050	3-717-212-01	o	WASHER (B), WORM
1051	3-659-324-00	s	SPRING, COMPRESSION
1052	3-717-353-01	o	SHAFT, WORM
1053	3-717-210-01	s	WORM
1054	3-717-454-01	o	WHEEL, WORM
1055	3-717-455-04	o	ARM, DOOR SWITCHING ASSIST
1056	3-437-284-00	s	SPRING, TENSION
1057	X-3717-359-1	o	ARM (RIGHT) ASS'Y, CASSETTE IN
1058	3-717-346-01	o	ARM (RIGHT), CASSETTE PRESS
1059	3-717-435-04	o	DOOR, CASSETTE
1060	3-717-421-02	o	HOLDER (A), F.P.C
1061	X-3717-360-1	o	DECK ASS'Y, ARM
1062	3-509-127-00	s	SPRING, TENSION
1063	3-717-460-03	o	GUIDE (RIGHT), CASSETTE
1064	1-628-786-11	o	PRINTED CIRCUIT BOARD, PC-47
1065	X-3717-231-1	o	ARM ASS'Y, LS
1066	A-6751-360-C	s	CASSETTE COMPARTMENT ASS'Y
1067	1-623-198-11	o	PRINTED CIRCUIT BOARD, CCM-2
1068	1-623-267-11	o	PRINTED CIRCUIT BOARD, PC-41
1069	3-717-584-01	s	LEVER (B), LID OPEN
1070	3-717-585-01	o	BRACKET (B), PHOT
1071	3-717-597-01	o	JOINT, PLATE
1072	3-717-598-01	o	JOINT, BEARWG
1073	3-717-599-01	s	ROLLER (C), GUIDE
1074	3-329-460-01	o	SPACER
1075	3-727-017-02	o	PLATE, GROUND
1076	3-738-709-01	s	PLATE
1077	3-606-090-01	s	RIVET
1078	1-635-029-11	o	PRINTED CIRCUIT BOARD, CL-24

Connector Panel Block

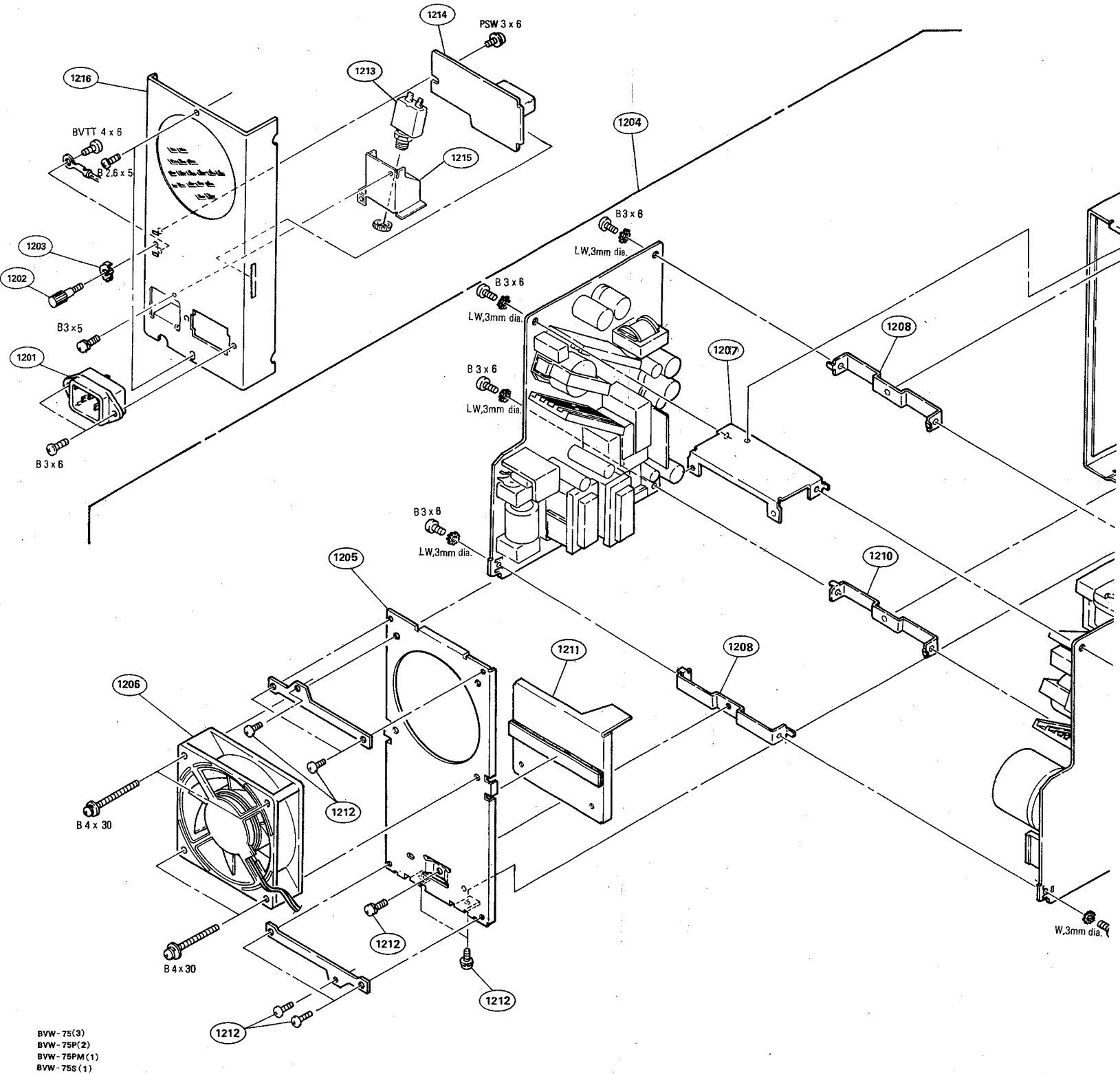
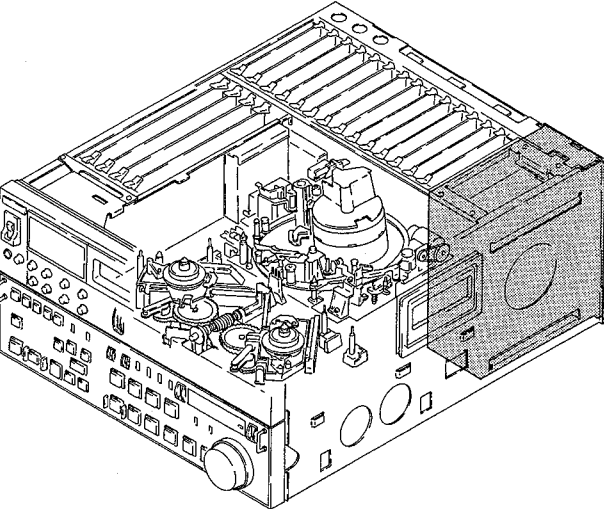


BVW-75 (6)
BVW-75P (3)
BVW-75PM (1)
BVW-75S (1)



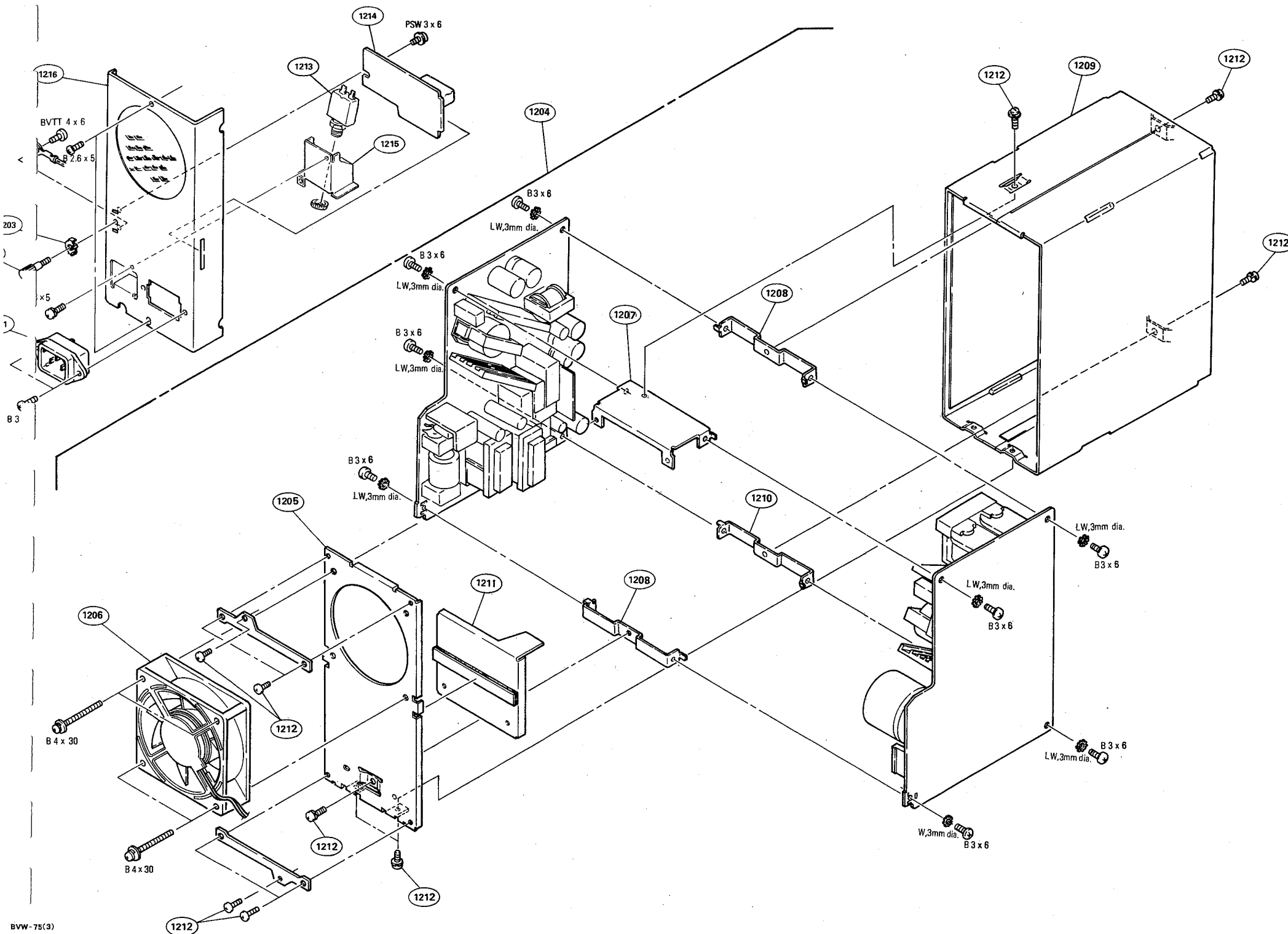
No.	Part No.	SP	Description
1101	3-531-576-01	s	RIVET
1102	3-717-436-03	s	PLATE (R), ORNAMENTAL, CONNECTOR
1103	1-509-176-51	s	CONNECTOR, 3P, MALE
1104	1-509-184-51	s	CONNECTOR, 3P, FEMALE
1105	1-562-160-00	s	CONNECTOR (R-F) 12P
1106	1-561-781-21	s	CONNECTOR, BNC (RECEPTACLE)
1107	1-564-407-11	s	CONNECTOR (R-M)
1108	3-717-325-03	o	BRACKET, CONNECTOR
1109	3-717-324-01	o	INSULATOR, CP-101 SHIELD
1110	3-717-419-01	o	PLATE, SHIELD, CP-101
1111	A-6729-470-A	o	MOUNTED CIRCUIT BOARD, CP-101
1112	1-554-958-11	s	SWITCH SLIDE (PC BOARD)
1113	1-571-062-11	s	SWITCH, SLIDE
1114	1-570-157-21	s	SWITCH, SLIDE
1115	A-6713-420-A	o	MOUNTED CIRCUIT BOARD, CP-161A
1116	1-509-095-00	s	SOCKET, MULTI (8P)
1117	3-717-326-01	o	BRACKET, FAN COVER
1118	1-541-431-31	s	MOTOR, DC FAN
1119	1-622-557-11	o	PRINTED CIRCUIT BOARD, RM-48
1120	1-563-890-11	s	SOCKET, D-SUB CONNECTOR 9P
1121	1-566-441-11	s	PIN, D-SUB CONNECTOR 15P
1122	1-561-028-00	s	CONNECTOR, 36P
1123	3-717-485-01	o	PANEL (L), REAR
1124	3-717-328-01	o	SCREW (15P), CONNECTOR
1125	3-668-460-00	o	SPRING
1126	3-717-327-01	o	SCREW (9P), CONNECTOR
1127	3-717-420-01	o	PLATE, ORNAMENTAL, PANEL
1128	1-554-377-00	s	SWITCH, SLIDE
1129	4-818-403-01	s	RIVET
1130	1-561-781-11	s	CONNECTOR, BNC (RECEPTACLE)

Switching Regulator Block



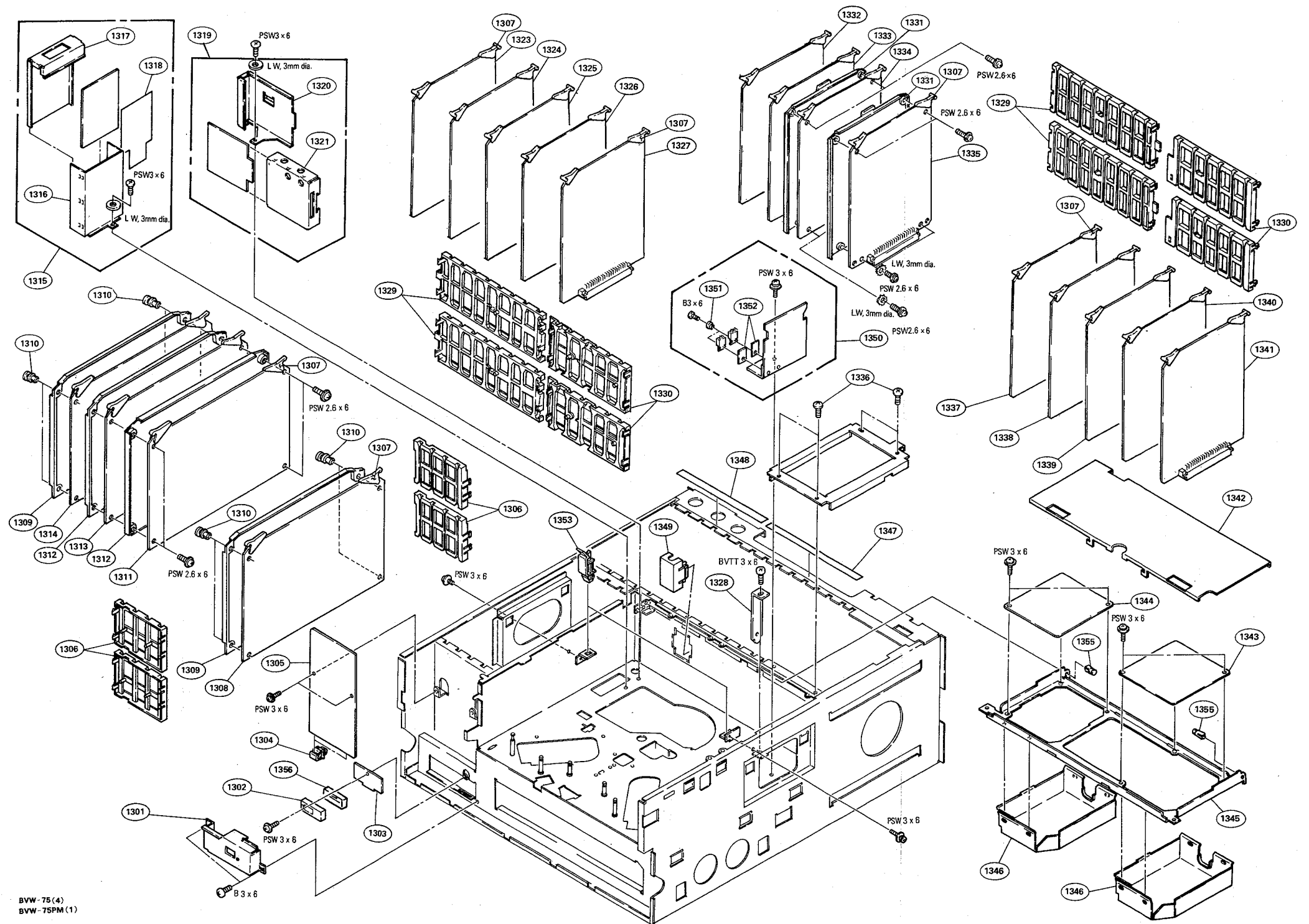
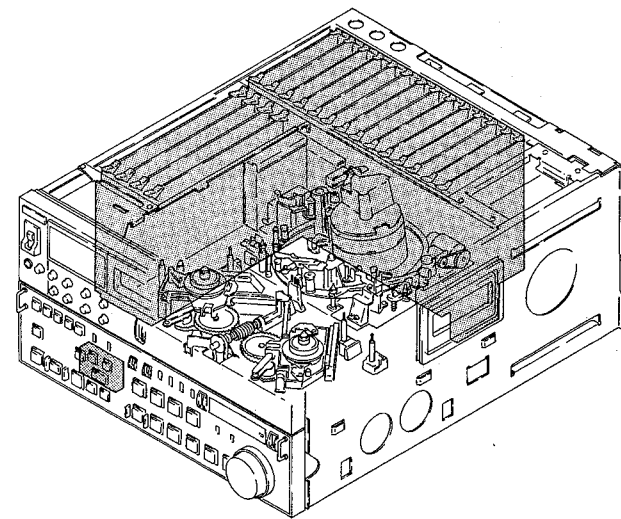
SWITCHING REGULATOR

SWITCHING REGULATOR

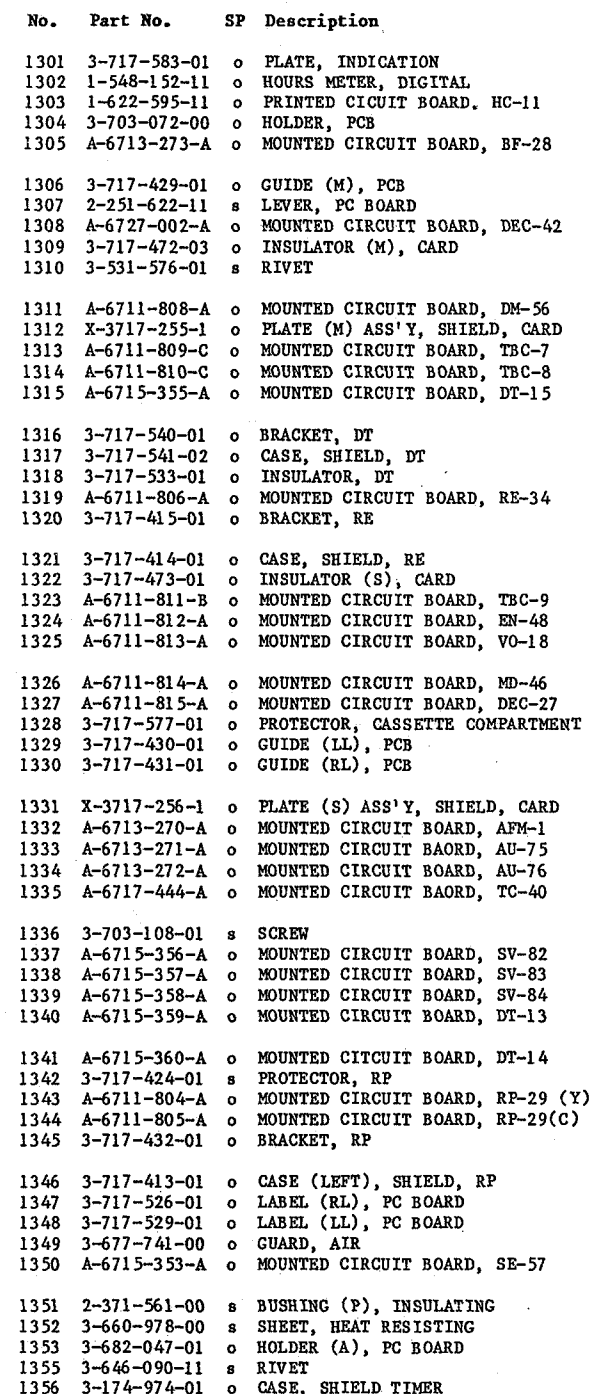


No.	Part No.	SP	Description
1201	1-580-375-21	s	3P INLET
1202	X-2068-004-0	s	TERMINAL ASS'Y
1203	2-068-008-00	s	WASHER
1204	1-413-307-24	s	REGULATOR, SWITCHING (UR-21B)
1205	2-403-697-11	o	LID, CASE
1206	1-541-431-31	s	MOTOR, DC FAN
1207	2-434-457-01	o	BRACKET, LS-UR21-S
1208	2-434-441-01	o	BRACKET
1209	2-403-696-01	o	CASE
1210	2-434-441-11	o	BRACKET
1211	2-431-695-01	o	SHEET (IS-UR21-S), INSULATING
1212	3-703-108-01	s	SCREW +BV 3 6, S TIGHT
1213	1-576-036-11	s	BREAKER, CIRCUIT
1214	1-628-132-11	o	PRINTED CIRCUIT BOARD, AC-96
1215	3-727-029-01	o	BRACKET, BREAKER
1216	3-727-030-01	o	PANEL (R), REAR

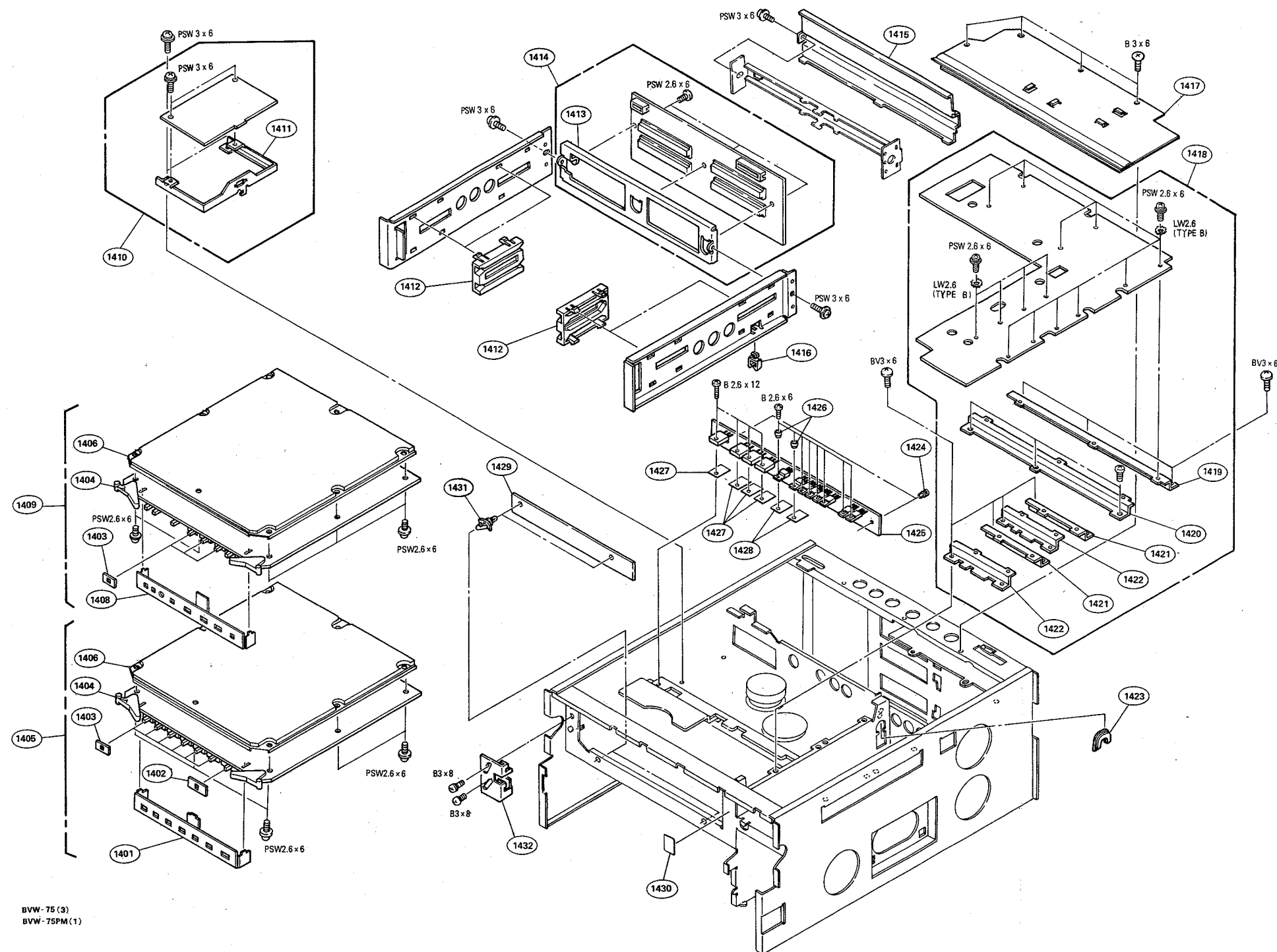
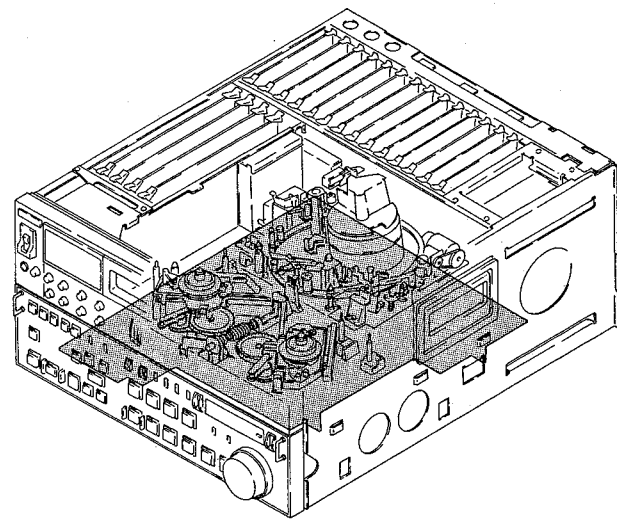
Printed Circuit Block (1)



BVW-75(4)
BVW-75PM(1)

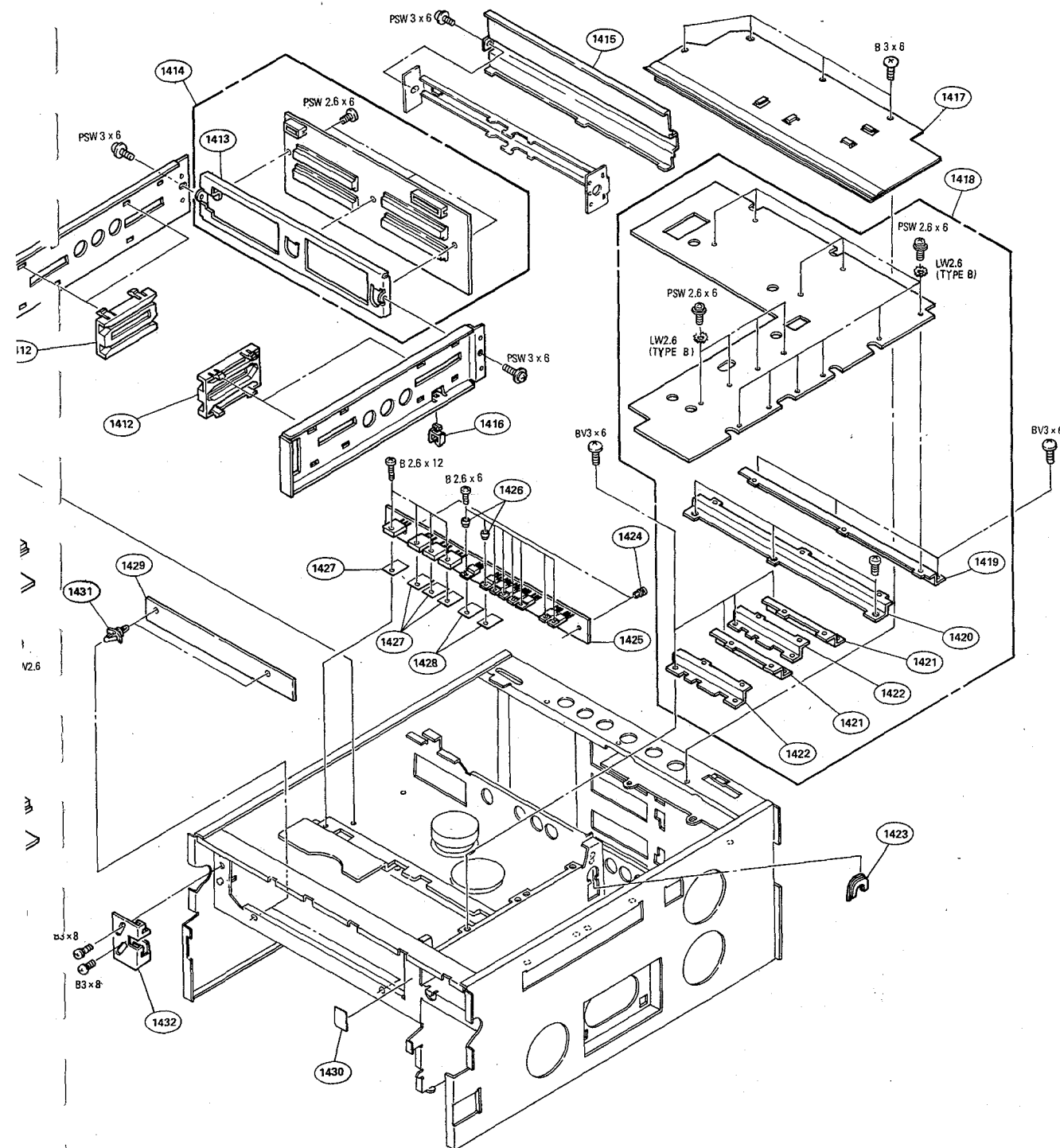


Printed Circuit Block (2)



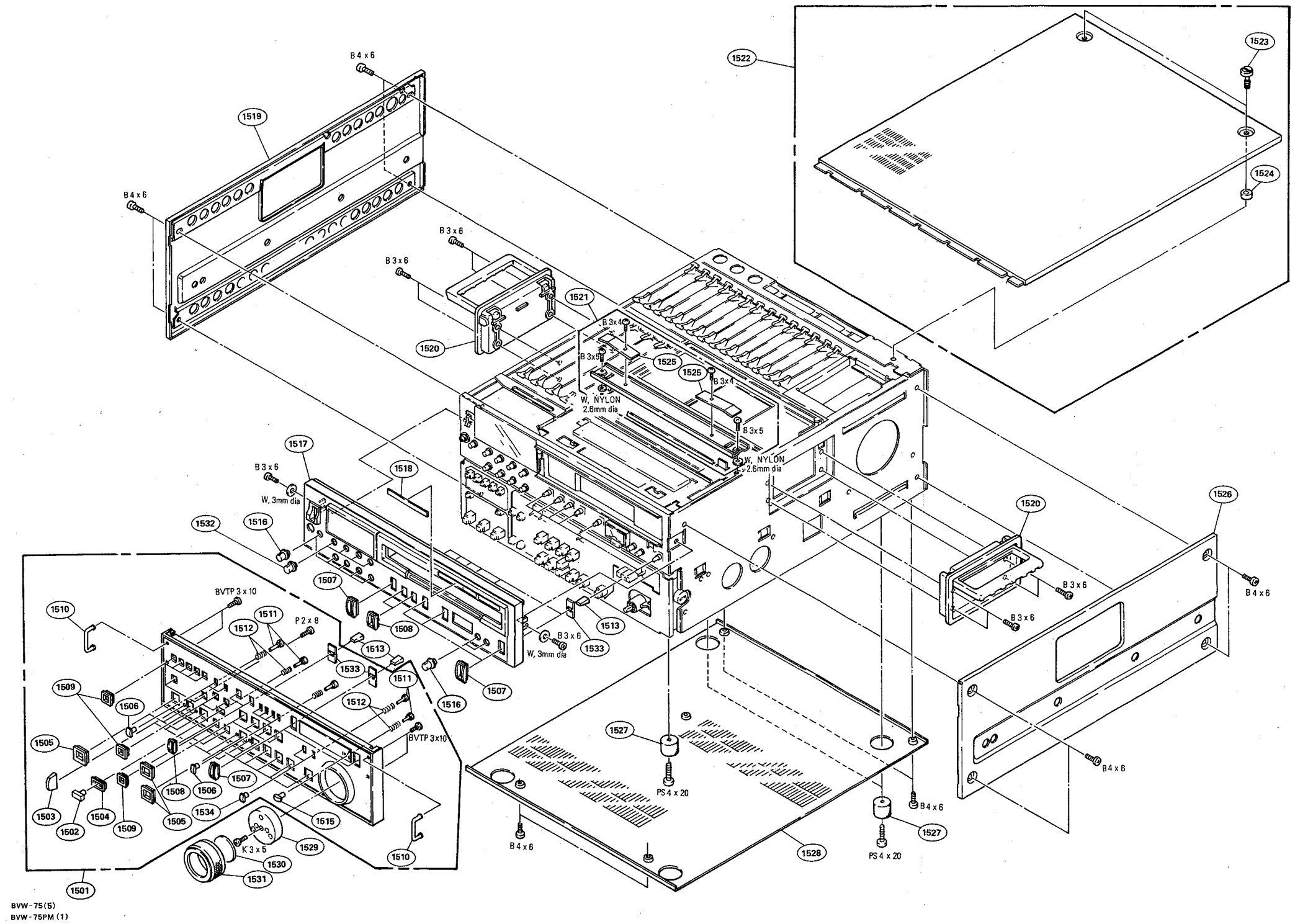
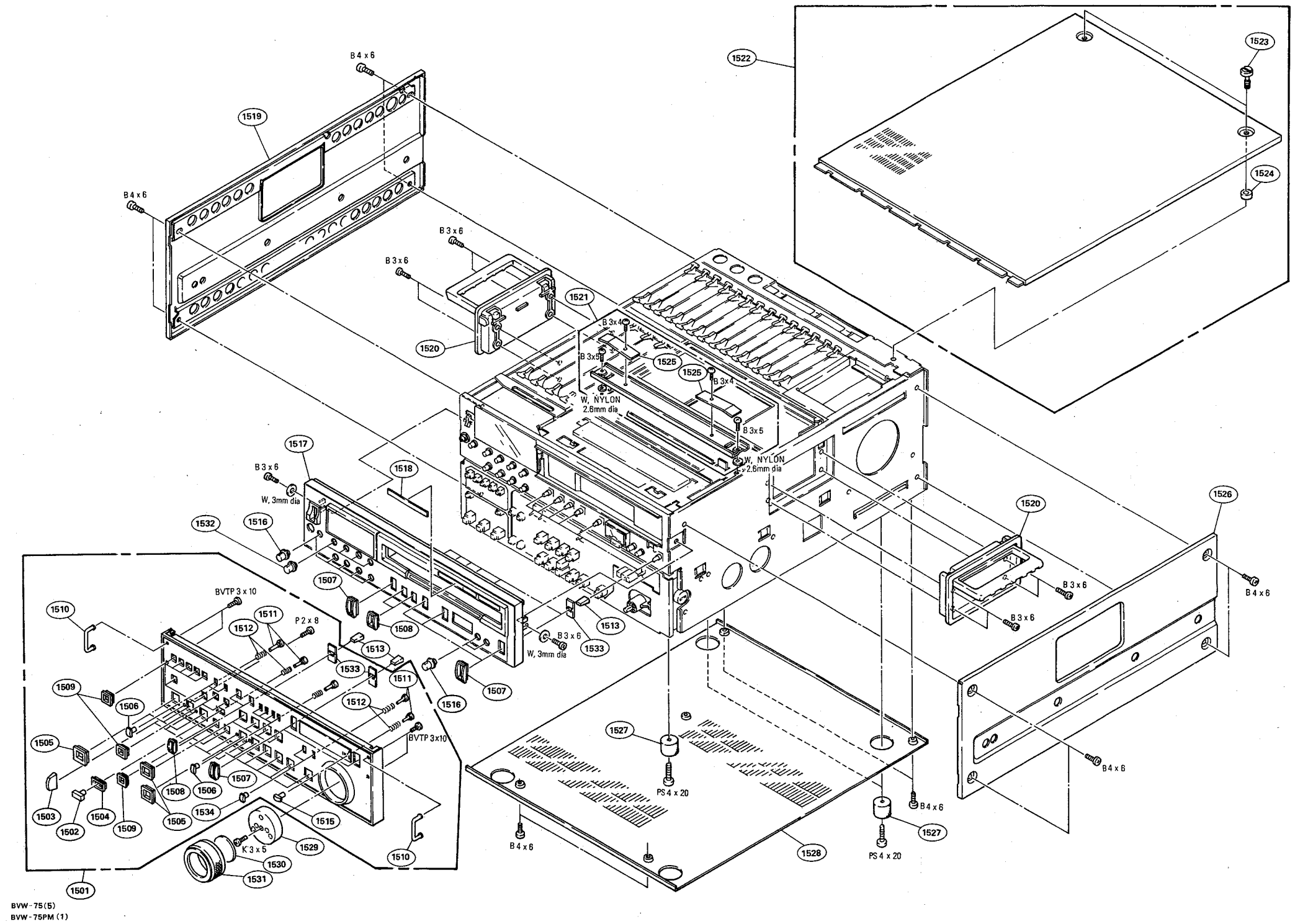
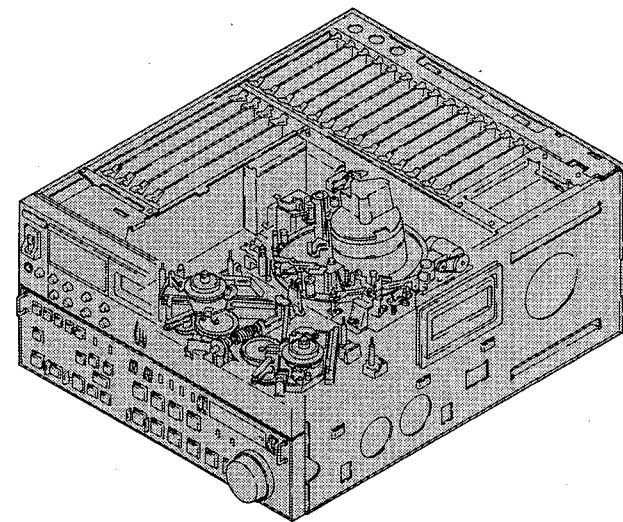
BVW-75 (3)
BVW-75PM (1)

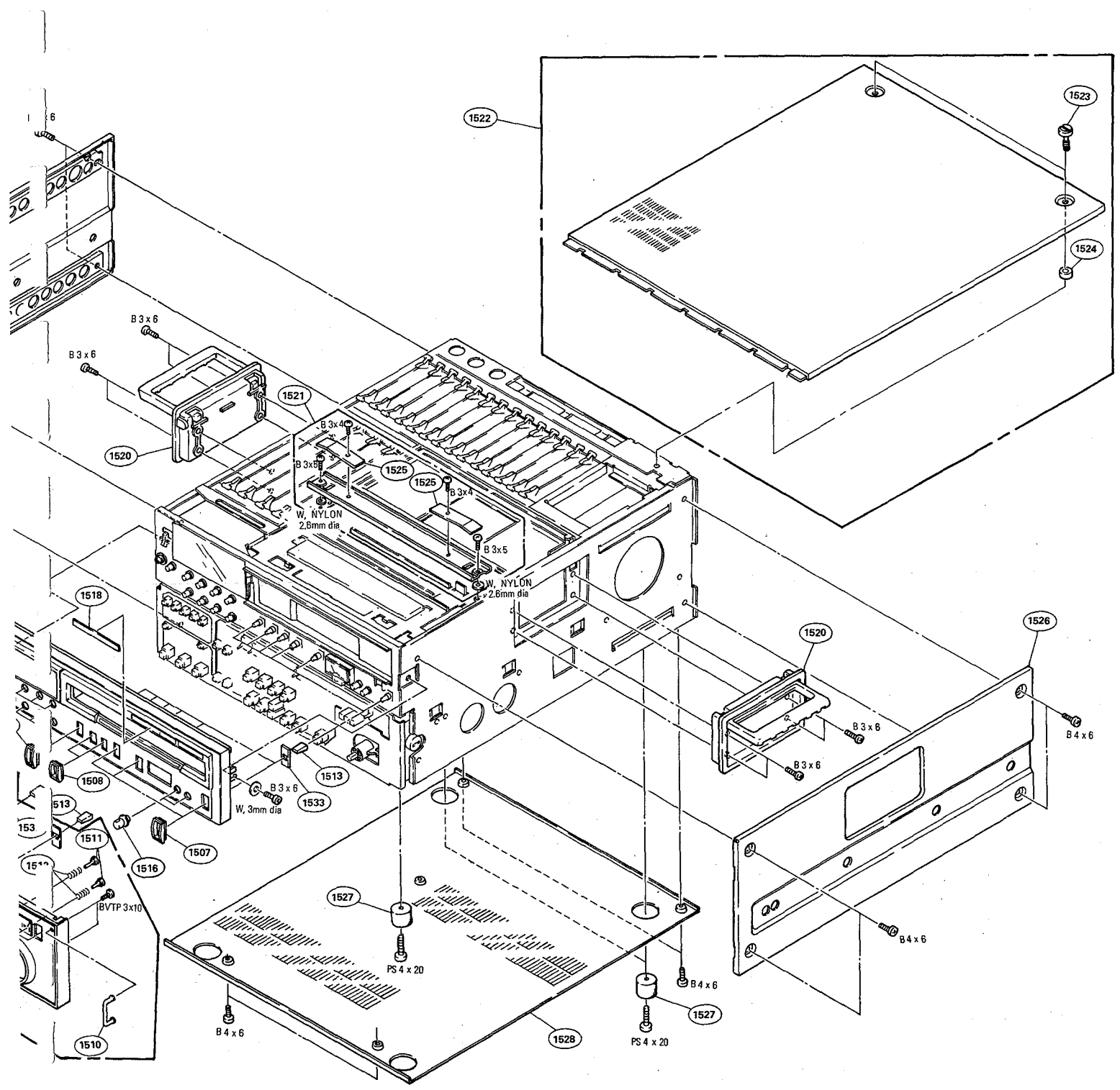
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1432	1



No.	Part No.	SP	Description
1401	3-717-471-01	o	SHEET METAL (64), ORNAMENTAL
1402	3-717-552-01	o	PLATE (LARGE), ORNAMENTAL SLIDE
1403	3-717-551-01	o	PLATE (SMALL), ORNAMENTAL, SLIDE
1404	2-251-622-11	s	LEVER, PC BOARD
1405	A-6717-443-A	o	MOUNTED CIRCUIT BOARD, SY-64
1406	X-3717-290-1	o	PLATE (L) ASS'Y, SHIELD, CARD
1408	3-717-469-01	o	SHEET METAL (61), ORNAMENTAL
1409	A-6717-442-B	o	MOUNTED CIRCUIT BOARD, SY-61
1410	A-6715-354-A	o	MOUNTED CIRCUIT BOARD, RE-28
1411	3-717-308-01	o	BRACKET (1), RE
1412	3-717-410-01	o	GUIDE (S), PCB
1413	3-717-468-01	o	JOINT, CONNECTOR
1414	A-6725-558-A	o	MOUNTED CIRCUIT BOARD, MB-117
1415	3-717-490-01	o	PLATE, SHIELD, MB-117
1416	4-309-753-00	o	HOLDER, WIRE
1417	3-717-543-01	o	GUARD, MB
1418	A-6725-557-A	o	MOUNTED CIRCUIT BOARD, MB-116
1419	3-717-480-04	o	BRACKET (LR), MB
1420	3-717-491-05	o	BRACKET (LF), MB
1421	3-717-466-01	o	BRACKET (S), MB
1422	3-717-467-01	o	BRACKET (M), MB
1423	4-302-401-00	s	BUSHING, DEGAUSSING COIL
1424	4-812-134-00	s	RIVET NYLON, 3.5
1425	1-622-561-11	o	PRINTED CIRCUIT BOARD, DR-56
1426	2-371-561-00	s	BUSHING (P), INSULATING
1427	4-911-232-01	s	SHEET, INSULATING
1428	3-660-978-00	s	SHEET, HEAT RESISTING
1429	A-6715-361-A	o	MOUNTED CIRCUIT BOARD, RE-36
1430	3-717-528-01	o	LABEL (S), PC BOARD
1431	3-703-353-01	o	SUPPORT, PC BOARD
1432	3-727-012-02	s	STOPPER, SY

Ornamental Panel Block





No.	Part No.	SP	Description
1501	A-6704-263-B	o	PANEL ASS'Y, KEY
1502	3-717-381-01	s	PUSH BUTTON (15 x 8)
1503	3-717-380-01	o	GUARD, REC
1504	3-717-378-01	o	FRAME (20 x 13), ORNAMENTAL, BUTTON
1505	3-717-377-01	o	FRAME (SQUARE 17), ORNAMENTAL
1506	3-668-007-11	s	PUSH BUTTON, 5 x 9 (WHITE)
1507	3-717-374-01	o	FRAME (23 x 12), ORNAMENTAL, SW
1508	3-717-375-01	o	FRAME (18 x 12), ORNAMENTAL, SW
1509	3-717-379-01	o	FRAME (SQUARE 14), ORNAMENTAL
1510	3-717-425-01	o	HANDLE
1511	3-668-009-02	s	PIN, PUSH BUTTON
1512	4-309-349-00	s	SPRING, COIL
1513	3-717-382-01	s	KNOB, LEVER, SW
1515	3-668-008-02	s	PUSH BUTTON (3 x 5)
1516	X-3717-237-1	s	KNOB ASS'Y, VOL
1517	X-3717-245-4	o	PANEL SUB ASS'Y, FRONT
1518	3-717-479-01	o	LABEL, MODEL
1519	3-717-482-01	o	CABINET (LEFT)
1520	X-3642-018-0	s	HANDLE ASS'Y
1521	A-6730-932-A	s	STAY ASS'Y, CASSETTE COMPARTMENT
1522	A-6703-640-A	o	LID ASS'Y, UPPER
1523	3-717-392-01	o	SCREW, LID
1524	3-688-102-01	o	SPACER, M4
1525	3-717-306-01	o	SPRING
1526	3-717-483-01	o	CABINET (RIGHT)
1527	3-642-656-01	s	FOOT
1528	3-717-437-01	s	PLATE, BOTTOM
1529	3-717-370-01	o	KNOB, DIAL
1530	3-717-557-01	o	PLATE, KNOB
1531	3-668-012-03	s	RUBBER, DIAL KNOB
1532	X-3717-261-1	s	KNOB ASS'Y, VOL
1533	3-717-613-01	o	PLATE ORNAMENTAL, LEVER SW
1534	3-668-007-02	s	PUSH BUTTON, 5 x 9 (BLACK)

19-3. ELECTRICAL PARTS LIST

General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list.
Reference numbers are omitted.

ABBREVIATIONS

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

- 1) marked parts are for serial No. 13028 through 13175. (UC)
- 2) marked parts are for serial No. 13176 and higher. (UC)
- 3) marked parts are for serial No. 13028 through 13225. (UC)
- 4) marked parts are for serial No. 13226 and higher. (UC)
- 5) marked parts are for serial No. 13028 through 13325. (UC)
- 6) marked parts are for serial No. 13326 and higher. (UC)
- 7) marked parts are for serial No. 13028 through 13410. (UC)
- 8) marked parts are for serial No. 13661 and higher. (UC)
- 9) marked parts are for serial No. 13028 through 13780. (UC)
- 10) marked parts are for serial No. 13781 and higher. (UC)
- 11) marked parts are for serial No. 13028 through 13974. (UC)
- 12) marked parts are for serial No. 13975 and higher. (UC)
- 13) marked parts are for serial No. 13028 through 14368. (UC)

- 1) marked parts are for serial No. 11104 through 11203. (J)
- 2) marked parts are for serial No. 11204 and higher. (J)
- 3),5) marked parts are for serial No. 11104 through 11303. (J)
- 4),6) marked parts are for serial No. 11304 and higher. (J)
- 7) marked parts are for serial No. 11104 through 11403. (J)
- 8) marked parts are for serial No. 11499 and higher. (J)
- 9),11) marked parts are for serial No. 11104 through 11568. (J)
- 10),12) marked parts are for serial No. 11569 and higher. (J)
- 13) marked parts are for serial No. 11104 through 11668. (J)

Parts No. SP Description

CAPACITOR, CERAMIC, SBL

1-161-039-00	s	CAP, CERAMIC	0.001	10%	50V
1-161-041-00	s	CAP, CERAMIC	0.0015	10%	50V
1-161-043-00	s	CAP, CERAMIC	0.0022	10%	50V
1-161-045-00	s	CAP, CERAMIC	0.0033	10%	50V
1-161-047-00	s	CAP, CERAMIC	0.0047	10%	50V

1-161-049-00	s	CAP, CERAMIC	0.0068	10%	50V
1-161-051-00	s	CAP, CERAMIC	0.01	10%	50V
1-161-053-00	s	CAP, CERAMIC	0.015	10%	50V
1-161-055-00	s	CAP, CERAMIC	0.022	10%	50V
1-161-057-00	s	CAP, CERAMIC	0.033	10%	50V

1-161-021-11	s	CAP, CERAMIC	0.047	10%	25V
1-161-059-00	s	CAP, CERAMIC	0.047	10%	50V
1-161-061-00	s	CAP, CERAMIC	0.068	10%	50V
1-161-772-11	s	CAP, CERAMIC	0.1	10%	25V
1-161-063-00	s	CAP, CERAMIC	0.1	10%	50V

CAPACITOR, CHIP CERAMIC

1-163-083-00	s	CAP, CHIP CERAMIC	1pF	+0.25pF	50V
1-163-085-00	s	CAP, CHIP CERAMIC	2pF	+0.25pF	50V
1-163-087-00	s	CAP, CHIP CERAMIC	4pF	+0.25pF	50V
1-163-089-00	s	CAP, CHIP CERAMIC	6pF	+0.5pF	50V
1-163-091-00	s	CAP, CHIP CERAMIC	8pF	+0.5pF	50V

1-163-093-00	s	CAP, CHIP CERAMIC	10pF	5%	50V
1-163-097-00	s	CAP, CHIP CERAMIC	15pF	5%	50V
1-163-101-00	s	CAP, CHIP CERAMIC	22pF	5%	50V
1-163-105-00	s	CAP, CHIP CERAMIC	33pF	5%	50V
1-163-109-00	s	CAP, CHIP CERAMIC	47pF	5%	50V

1-163-113-00	s	CAP, CHIP CERAMIC	68pF	5%	50V
1-163-117-00	s	CAP, CHIP CERAMIC	100pF	5%	50V
1-163-121-00	s	CAP, CHIP CERAMIC	150pF	5%	50V
1-163-125-00	s	CAP, CHIP CERAMIC	220pF	5%	50V
1-163-129-00	s	CAP, CHIP CERAMIC	330pF	5%	50V

1-163-133-00	s	CAP, CHIP CERAMIC	470pF	5%	50V
1-163-137-00	s	CAP, CHIP CERAMIC	680pF	5%	50V
1-163-141-00	s	CAP, CHIP CERAMIC	1000pF	5%	50V
1-163-145-00	s	CAP, CHIP CERAMIC	1500pF	10%	50V
1-163-013-00	s	CAP, CHIP CERAMIC	2200pF	10%	50V

1-163-015-00	s	CAP, CHIP CERAMIC	3300pF	10%	50V
1-163-017-00	s	CAP, CHIP CERAMIC	4700pF	10%	50V
1-163-019-00	s	CAP, CHIP CERAMIC	6800pF	10%	50V
1-163-021-00	s	CAP, CHIP CERAMIC	0.01	10%	50V
1-163-023-00	s	CAP, CHIP CERAMIC	0.015	10%	50V

1-163-034-00	s	CAP, CHIP CERAMIC	0.033		50V
1-163-035-00	s	CAP, CHIP CERAMIC	0.047		50V
1-163-036-00	s	CAP, CHIP CERAMIC	0.068		50V
1-163-038-00	s	CAP, CHIP CERAMIC	0.1		50V

Parts No. SP Description

CAPACITOR, ELECTROLYTIC

1-124-902-00	s	CAP, ELECT	0.47	20%	50V
1-124-791-11	s	CAP, ELECT	1.0	20%	100V
1-124-925-11	s	CAP, ELECT	2.2	20%	100V
1-123-382-00	s	CAP, ELECT	3.3	20%	100V
1-124-927-00	s	CAP, ELECT	4.7	20%	100V

1-123-875-91	s	CAP, ELECT	10	20%	50V
1-124-908-11	s	CAP, ELECT	22	20%	50V
1-124-963-11	s	CAP, ELECT	33	20%	16V
1-124-482-11	s	CAP, ELECT	33	20%	35V
1-124-917-11	s	CAP, ELECT	33	20%	63V

1-124-446-11	s	CAP, ELECT	47	20%	10V
1-124-477-11	s	CAP, ELECT	47	20%	25V
1-124-910-11	s	CAP, ELECT	47	20%	50V
1-124-443-00	s	CAP, ELECT	100	20%	10V
1-126-101-11	s	CAP, ELECT	100	20%	16V

1-124-478-11	s	CAP, ELECT	100	20%	25V
1-124-122-11	s	CAP, ELECT	100	20%	50V
1-124-444-00	s	CAP, ELECT	220	20%	10V
1-124-120-11	s	CAP, ELECT	220	20%	25V
1-124-484-11	s	CAP, ELECT	220	20%	35V

1-124-911-11	s	CAP, ELECT	220	20%	50V
1-124-442-00	s	CAP, ELECT	330	20%	6.3V
1-124-604-00	s	CAP, ELECT	330	20%	10V
1-124-119-00	s	CAP, ELECT	330	20%	16V
1-124-479-11	s	CAP, ELECT	330	20%	25V

1-124-485-11	s	CAP, ELECT	330	20%	35V
1-124-912-11	s	CAP, ELECT	330	20%	50V
1-124-472-11	s	CAP, ELECT	470	20%	10V
1-124-475-11	s	CAP, ELECT	470	20%	16V
1-124-480-11	s	CAP, ELECT	470	20%	25V

1-126-104-11	s	CAP, ELECT	470	20%	35V
1-124-913-11	s	CAP, ELECT	470	20%	50V

CAPACITOR, MICA, SILVERED

1-107-019-00	s	CAP, MICA	1.0pF	+0.5pF	500V
1-107-039-00	s	CAP, MICA	1.2pF	+0.5pF	500V
1-107-040-00	s	CAP, MICA	1.5pF	+0.5pF	500V
1-107-041-00	s	CAP, MICA	1.8pF	+0.5pF	500V
1-107-042-00	s	CAP, MICA	2.2pF	+0.5pF	500V

1-107-043-00	s	CAP, MICA	2.7pF	+0.5pF	500V
1-107-044-00	s	CAP, MICA	3.3pF	+0.5pF	500V
1-107-045-00	s	CAP, MICA	3.9pF	+0.5pF	500V
1-107-046-00	s	CAP, MICA	4.7pF	+0.5pF	500V
1-107-026-00	s	CAP, MICA	5.1pF	+0.5pF	500V

1-107-047-00	s	CAP, MICA	5.6pF	+0.5pF	500V
1-107-048-00	s	CAP, MICA	6.8pF	+0.5pF	500V
1-107-049-00	s	CAP, MICA	8.2pF	+0.5pF	500V
1-107-202-00	s	CAP, MICA	10pF	5%	500V
1-107-203-00	s	CAP, MICA	11pF	5%	500V

1-107-204-00	s	CAP, MICA	12pF	5%	500V
1-107-205-00	s	CAP, MICA	13pF	5%	500V
1-107-206-00	s	CAP, MICA	15pF	5%	500V
1-107-207-00	s	CAP, MICA	16pF	5%	500V
1-107-208-00	s	CAP, MICA	18pF	5%	500V

1-107-209-00	s	CAP, MICA	20pF	5%	500V
1-107-210-00	s	CAP, MICA	22pF	5%	500V
1-107-211-00	s	CAP, MICA	24pF	5%	500V
1-107-157-00	s	CAP, MICA	27pF	5%	500V
1-107-158-00	s	CAP, MICA	30pF	5%	500V

Parts No.	SP	Description
1-107-159-00	s	CAP, MICA 33pF 5% 500V
1-107-074-00	s	CAP, MICA 36pF 5% 50V
1-107-075-00	s	CAP, MICA 39pF 5% 50V
1-107-076-00	s	CAP, MICA 43pF 5% 50V
1-107-077-00	s	CAP, MICA 47pF 5% 50V
1-107-164-00	s	CAP, MICA 51pF 5% 500V
1-107-165-00	s	CAP, MICA 56pF 5% 500V
1-107-166-00	s	CAP, MICA 62pF 5% 500V
1-107-036-00	s	CAP, MICA 68pF 5% 500V
1-107-167-00	s	CAP, MICA 75pF 5% 500V
1-107-083-00	s	CAP, MICA 82pF 5% 50V
1-107-084-00	s	CAP, MICA 91pF 5% 50V
1-107-085-00	s	CAP, MICA 100pF 5% 50V
1-107-086-00	s	CAP, MICA 110pF 5% 50V
1-107-087-00	s	CAP, MICA 120pF 5% 50V
1-109-538-00	s	CAP, MICA 130pF 5% 100V
1-109-539-00	s	CAP, MICA 150pF 5% 100V
1-107-090-00	s	CAP, MICA 160pF 5% 50V
1-109-540-00	s	CAP, MICA 180pF 5% 100V
1-109-541-00	s	CAP, MICA 200pF 5% 100V
1-109-542-00	s	CAP, MICA 220pF 5% 100V
1-109-545-00	s	CAP, MICA 270pF 5% 100V
1-109-547-00	s	CAP, MICA 330pF 5% 100V
1-109-549-00	s	CAP, MICA 390pF 5% 100V
1-109-633-00	s	CAP, MICA 470pF 2% 500V
1-109-555-00	s	CAP, MICA 560pF 5% 100V
1-109-635-00	s	CAP, MICA 470pF 2% 500V

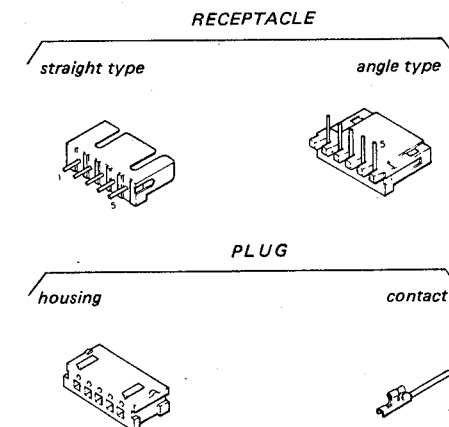
CAPACITOR, MYLAR

1-130-467-00	s	CAP, MYLAR 470pF 5% 50V
1-130-468-00	s	CAP, MYLAR 560pF 5% 50V
1-130-469-00	s	CAP, MYLAR 680pF 5% 50V
1-130-470-00	s	CAP, MYLAR 820pF 5% 50V
1-130-471-00	s	CAP, MYLAR 1000pF 5% 50V
1-130-472-00	s	CAP, MYLAR 1200pF 5% 50V
1-130-473-00	s	CAP, MYLAR 1500pF 5% 50V
1-130-474-00	s	CAP, MYLAR 1800pF 5% 50V
1-130-475-00	s	CAP, MYLAR 2200pF 5% 50V
1-130-476-00	s	CAP, MYLAR 2700pF 5% 50V
1-130-477-00	s	CAP, MYLAR 3300pF 5% 50V
1-130-478-00	s	CAP, MYLAR 3900pF 5% 50V
1-130-479-00	s	CAP, MYLAR 4700pF 5% 50V
1-130-480-00	s	CAP, MYLAR 5600pF 5% 50V
1-130-481-00	s	CAP, MYLAR 6800pF 5% 50V
1-130-482-00	s	CAP, MYLAR 8200pF 5% 50V
1-130-483-00	s	CAP, MYLAR 0.01 5% 50V
1-130-484-00	s	CAP, MYLAR 0.012 5% 50V
1-130-485-00	s	CAP, MYLAR 0.015 5% 50V
1-130-486-00	s	CAP, MYLAR 0.018 5% 50V
1-130-487-00	s	CAP, MYLAR 0.022 5% 50V
1-130-488-00	s	CAP, MYLAR 0.027 5% 50V
1-130-489-00	s	CAP, MYLAR 0.033 5% 50V
1-130-490-11	s	CAP, MYLAR 0.039 5% 50V
1-130-491-00	s	CAP, MYLAR 0.047 5% 50V
1-130-492-11	s	CAP, MYLAR 0.056 5% 50V
1-130-493-00	s	CAP, MYLAR 0.068 5% 50V
1-130-494-11	s	CAP, MYLAR 0.082 5% 50V
1-130-495-00	s	CAP, MYLAR 0.1 5% 50V
1-130-496-00	s	CAP, MYLAR 0.12 5% 50V
1-130-497-00	s	CAP, MYLAR 0.15 5% 50V
1-130-498-00	s	CAP, MYLAR 0.18 5% 50V
1-130-499-00	s	CAP, MYLAR 0.22 5% 50V
1-136-502-11	s	CAP, MYLAR 0.33 5% 50V

Parts No.	SP	Description
CAPACITOR, TANTALUM		
1-131-396-11	s	CAP, TANTALUM 0.01 20% 35V
1-131-397-11	s	CAP, TANTALUM 0.015 20% 35V
1-131-398-11	s	CAP, TANTALUM 0.022 20% 35V
1-131-399-11	s	CAP, TANTALUM 0.033 20% 35V
1-131-400-11	s	CAP, TANTALUM 0.047 20% 35V
1-131-401-21	s	CAP, TANTALUM 0.068 10% 35V
1-131-341-21	s	CAP, TANTALUM 0.1 10% 35V
1-131-342-21	s	CAP, TANTALUM 0.15 10% 35V
1-131-343-21	s	CAP, TANTALUM 0.22 10% 35V
1-131-344-21	s	CAP, TANTALUM 0.33 10% 35V
1-131-412-11	s	CAP, TANTALUM 0.47 20% 20V
1-131-345-21	s	CAP, TANTALUM 0.47 10% 35V
1-131-410-11	s	CAP, TANTALUM 0.68 20% 25V
1-131-346-21	s	CAP, TANTALUM 0.68 10% 35V
1-131-413-11	s	CAP, TANTALUM 1.0 20% 20V
1-131-347-21	s	CAP, TANTALUM 1.0 10% 35V
1-131-416-11	s	CAP, TANTALUM 1.5 20% 16V
1-131-348-21	s	CAP, TANTALUM 1.5 10% 35V
1-131-419-11	s	CAP, TANTALUM 2.2 20% 10V
1-131-361-21	s	CAP, TANTALUM 2.2 10% 20V
1-131-349-21	s	CAP, TANTALUM 2.2 10% 35V
1-131-422-11	s	CAP, TANTALUM 3.3 20% 6.3V
1-131-368-21	s	CAP, TANTALUM 3.3 10% 16V
1-131-356-21	s	CAP, TANTALUM 3.3 10% 25V
1-131-350-21	s	CAP, TANTALUM 3.3 10% 35V
1-131-425-11	s	CAP, TANTALUM 4.7 20% 3.15V
1-131-375-21	s	CAP, TANTALUM 4.7 10% 10V
1-131-363-21	s	CAP, TANTALUM 4.7 10% 20V
1-131-351-21	s	CAP, TANTALUM 4.7 10% 35V
1-131-382-21	s	CAP, TANTALUM 6.8 10% 6.3V
1-131-370-21	s	CAP, TANTALUM 6.8 10% 16V
1-131-358-21	s	CAP, TANTALUM 6.8 10% 25V
1-131-352-21	s	CAP, TANTALUM 6.8 10% 35V
1-131-389-21	s	CAP, TANTALUM 10 10% 3.15V
1-131-377-21	s	CAP, TANTALUM 10 10% 10V
1-131-365-21	s	CAP, TANTALUM 10 10% 20V
1-131-353-21	s	CAP, TANTALUM 10 10% 35V
1-131-384-21	s	CAP, TANTALUM 15 10% 6.3V
1-131-372-21	s	CAP, TANTALUM 15 10% 16V
1-131-360-21	s	CAP, TANTALUM 15 10% 25V
1-131-391-21	s	CAP, TANTALUM 22 10% 3.15V
1-131-379-21	s	CAP, TANTALUM 22 10% 10V
1-131-367-21	s	CAP, TANTALUM 22 10% 20V
1-131-386-21	s	CAP, TANTALUM 33 10% 6.3V
1-131-374-21	s	CAP, TANTALUM 33 10% 16V
1-131-393-21	s	CAP, TANTALUM 47 10% 3.15V
1-131-381-21	s	CAP, TANTALUM 47 10% 10V
1-131-388-21	s	CAP, TANTALUM 68 10% 6.3V
1-131-395-21	s	CAP, TANTALUM 100 10% 3.15V

Parts No.	SP	Description
CONNECTOR		
1-564-001-11	o	RECEPTACLE 2P MALE (STRAIGHT TYPE)
1-564-012-11	o	RECEPTACLE 2P MALE (ANGLE TYPE)
1-562-147-11	o	HOUSING 2P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-002-11	o	RECEPTACLE 3P MALE (STRAIGHT TYPE)
1-564-013-11	o	RECEPTACLE 3P MALE (ANGLE TYPE)
1-562-148-11	o	HOUSING 3P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-003-11	o	RECEPTACLE 4P MALE (STRAIGHT TYPE)
1-564-014-11	o	RECEPTACLE 4P MALE (ANGLE TYPE)
1-562-149-11	o	HOUSING 4P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-004-11	o	RECEPTACLE 5P MALE (STRAIGHT TYPE)
1-564-015-11	o	RECEPTACLE 5P MALE (ANGLE TYPE)
1-562-150-11	o	HOUSING 5P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-005-11	o	RECEPTACLE 6P MALE (STRAIGHT TYPE)
1-564-016-11	o	RECEPTACLE 6P MALE (ANGLE TYPE)
1-562-151-11	o	HOUSING 6P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-006-11	o	RECEPTACLE 7P MALE (STRAIGHT TYPE)
1-564-017-11	o	RECEPTACLE 7P MALE (ANGLE TYPE)
1-562-152-11	o	HOUSING 7P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-007-11	o	RECEPTACLE 8P MALE (STRAIGHT TYPE)
1-564-018-11	o	RECEPTACLE 8P MALE (ANGLE TYPE)
1-562-153-11	o	HOUSING 8P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-008-41	o	RECEPTACLE 9P MALE (STRAIGHT TYPE)
1-564-019-11	o	RECEPTACLE 9P MALE (ANGLE TYPE)
1-562-154-11	o	HOUSING 9P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-009-11	o	RECEPTACLE 10P MALE (STRAIGHT TYPE)
1-564-020-11	o	RECEPTACLE 10P MALE (ANGLE TYPE)
1-562-155-11	o	HOUSING 10P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-010-21	o	RECEPTACLE 11P MALE (STRAIGHT TYPE)
1-564-021-11	o	RECEPTACLE 11P MALE (ANGLE TYPE)
1-562-156-11	o	HOUSING 11P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-011-11	o	RECEPTACLE 12P MALE (STRAIGHT TYPE)
1-564-022-11	o	RECEPTACLE 12P MALE (ANGLE TYPE)
1-562-157-11	o	HOUSING 12P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32

Parts No.	SP	Description
1-564-683-11	o	RECEPTACLE 13P MALE (STRAIGHT TYPE)
1-564-743-11	o	RECEPTACLE 13P MALE (ANGLE TYPE)
1-562-627-11	o	HOUSING 13P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-069-11	o	RECEPTACLE 14P MALE (STRAIGHT TYPE)
1-564-630-11	o	RECEPTACLE 14P MALE (ANGLE TYPE)
1-562-185-11	o	HOUSING 14P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-855-11	o	RECEPTACLE 15P MALE (STRAIGHT TYPE)
1-564-877-11	o	RECEPTACLE 15P MALE (ANGLE TYPE)
1-562-958-11	o	HOUSING 15P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32



Parts No. SP Description

INDUCTOR, MICRO

1-408-397-00	s	INDUCTOR, MICRO	1.0	5%
1-408-399-00	s	INDUCTOR, MICRO	1.5	5%
1-408-400-00	s	INDUCTOR, MICRO	1.8	5%
1-408-401-00	s	INDUCTOR, MICRO	2.2	5%
1-408-403-00	s	INDUCTOR, MICRO	3.3	5%
1-408-404-00	s	INDUCTOR, MICRO	3.9	5%
1-408-405-00	s	INDUCTOR, MICRO	4.7	5%
1-408-406-00	s	INDUCTOR, MICRO	5.6	5%
1-408-407-00	s	INDUCTOR, MICRO	6.8	5%
1-408-408-00	s	INDUCTOR, MICRO	8.2	5%
1-408-409-00	s	INDUCTOR, MICRO	10	5%
1-408-410-00	s	INDUCTOR, MICRO	12	5%
1-408-411-00	s	INDUCTOR, MICRO	15	5%
1-408-412-00	s	INDUCTOR, MICRO	18	5%
1-408-413-00	s	INDUCTOR, MICRO	22	5%
1-408-414-00	s	INDUCTOR, MICRO	27	5%
1-408-415-00	s	INDUCTOR, MICRO	33	5%
1-408-416-00	s	INDUCTOR, MICRO	39	5%
1-408-417-00	s	INDUCTOR, MICRO	47	5%
1-408-418-00	s	INDUCTOR, MICRO	56	5%
1-408-419-00	s	INDUCTOR, MICRO	68	5%
1-408-420-00	s	INDUCTOR, MICRO	82	5%
1-408-421-00	s	INDUCTOR, MICRO	100	5%
1-408-422-00	s	INDUCTOR, MICRO	120	5%
1-408-423-00	s	INDUCTOR, MICRO	150	5%
1-408-424-00	s	INDUCTOR, MICRO	180	5%
1-408-425-00	s	INDUCTOR, MICRO	220	5%
1-408-426-00	s	INDUCTOR, MICRO	270	5%
1-408-427-00	s	INDUCTOR, MICRO	330	5%
1-408-428-00	s	INDUCTOR, MICRO	390	5%
1-408-429-00	s	INDUCTOR, MICRO	470	5%
1-410-116-11	s	INDUCTOR, MICRO	560	5%
1-410-492-11	s	INDUCTOR, MICRO	680	5%
1-410-493-11	s	INDUCTOR, MICRO	820	5%
1-410-494-11	s	INDUCTOR, MICRO	1000	5%

Parts No. SP Description

RESISTOR, CARBON

1-249-381-11	s	RES, CARBON	1.0	5%	1/6W
1-249-382-11	s	RES, CARBON	1.2	5%	1/6W
1-249-383-11	s	RES, CARBON	1.5	5%	1/6W
1-249-384-11	s	RES, CARBON	1.8	5%	1/6W
1-249-385-11	s	RES, CARBON	2.2	5%	1/6W
1-249-386-11	s	RES, CARBON	2.7	5%	1/6W
1-249-387-11	s	RES, CARBON	3.3	5%	1/6W
1-249-388-11	s	RES, CARBON	3.9	5%	1/6W
1-249-389-11	s	RES, CARBON	4.7	5%	1/6W
1-249-390-11	s	RES, CARBON	5.6	5%	1/6W
1-249-391-11	s	RES, CARBON	6.8	5%	1/6W
1-249-392-11	s	RES, CARBON	8.2	5%	1/6W
1-249-393-11	s	RES, CARBON	10	5%	1/6W
1-249-394-11	s	RES, CARBON	12	5%	1/6W
1-249-395-11	s	RES, CARBON	15	5%	1/6W
1-249-396-11	s	RES, CARBON	18	5%	1/6W
1-249-397-11	s	RES, CARBON	22	5%	1/6W
1-249-398-11	s	RES, CARBON	27	5%	1/6W
1-249-399-11	s	RES, CARBON	33	5%	1/6W
1-249-400-11	s	RES, CARBON	39	5%	1/6W
1-249-401-11	s	RES, CARBON	47	5%	1/6W
1-249-402-11	s	RES, CARBON	56	5%	1/6W
1-249-403-11	s	RES, CARBON	68	5%	1/6W
1-249-404-11	s	RES, CARBON	82	5%	1/6W
1-249-405-11	s	RES, CARBON	100	5%	1/6W
1-249-406-11	s	RES, CARBON	120	5%	1/6W
1-249-407-11	s	RES, CARBON	150	5%	1/6W
1-249-408-11	s	RES, CARBON	180	5%	1/6W
1-249-409-11	s	RES, CARBON	220	5%	1/6W
1-249-410-11	s	RES, CARBON	270	5%	1/6W
1-249-411-11	s	RES, CARBON	330	5%	1/6W
1-249-412-11	s	RES, CARBON	390	5%	1/6W
1-249-413-11	s	RES, CARBON	470	5%	1/6W
1-249-414-11	s	RES, CARBON	560	5%	1/6W
1-249-415-11	s	RES, CARBON	680	5%	1/6W
1-249-416-11	s	RES, CARBON	820	5%	1/6W
1-249-417-11	s	RES, CARBON	1.0k	5%	1/6W
1-249-418-11	s	RES, CARBON	1.2k	5%	1/6W
1-249-419-11	s	RES, CARBON	1.5k	5%	1/6W
1-249-420-11	s	RES, CARBON	1.8k	5%	1/6W
1-249-421-11	s	RES, CARBON	2.2k	5%	1/6W
1-249-422-11	s	RES, CARBON	2.7k	5%	1/6W
1-249-423-11	s	RES, CARBON	3.3k	5%	1/6W
1-249-424-11	s	RES, CARBON	3.9k	5%	1/6W
1-249-425-11	s	RES, CARBON	4.7k	5%	1/6W
1-249-426-11	s	RES, CARBON	5.6k	5%	1/6W
1-249-427-11	s	RES, CARBON	6.8k	5%	1/6W
1-249-428-11	s	RES, CARBON	8.2k	5%	1/6W
1-249-429-11	s	RES, CARBON	10k	5%	1/6W
1-249-430-11	s	RES, CARBON	12k	5%	1/6W
1-249-431-11	s	RES, CARBON	15k	5%	1/6W
1-249-432-11	s	RES, CARBON	18k	5%	1/6W
1-249-433-11	s	RES, CARBON	22k	5%	1/6W
1-249-434-11	s	RES, CARBON	27k	5%	1/6W
1-249-435-11	s	RES, CARBON	33k	5%	1/6W
1-249-436-11	s	RES, CARBON	39k	5%	1/6W
1-249-437-11	s	RES, CARBON	47k	5%	1/6W
1-249-438-11	s	RES, CARBON	56k	5%	1/6W
1-249-439-11	s	RES, CARBON	68k	5%	1/6W
1-249-440-11	s	RES, CARBON	82k	5%	1/6W
1-249-441-11	s	RES, CARBON	100k	5%	1/6W

Parts No. SP Description

RESISTOR, CHIP

1-216-295-00	s	RES, CHIP	0	5%	1/10W
1-216-298-00	s	RES, CHIP	2.2	5%	1/10W
1-216-302-00	s	RES, CHIP	2.7	5%	1/10W
1-216-304-00	s	RES, CHIP	3.3	5%	1/10W
1-216-306-00	s	RES, CHIP	3.9	5%	1/10W
1-216-308-00	s	RES, CHIP	4.7	5%	1/10W
1-216-309-00	s	RES, CHIP	5.6	5%	1/10W
1-216-311-00	s	RES, CHIP	6.8	5%	1/10W
1-216-313-00	s	RES, CHIP	8.2	5%	1/10W
1-216-001-00	s	RES, CHIP	10	5%	1/10W
1-216-003-00	s	RES, CHIP	12	5%	1/10W
1-216-005-00	s	RES, CHIP	15	5%	1/10W
1-216-007-00	s	RES, CHIP	18	5%	1/10W
1-216-009-00	s	RES, CHIP	22	5%	1/10W
1-216-011-00	s	RES, CHIP	27	5%	1/10W
1-216-013-00	s	RES, CHIP	33	5%	1/10W
1-216-015-00	s	RES, CHIP	39	5%	1/10W
1-216-017-00	s	RES, CHIP	47	5%	1/10W
1-216-019-00	s	RES, CHIP	56	5%	1/10W
1-216-021-00	s	RES, CHIP	68	5%	1/10W
1-216-023-00	s	RES, CHIP	82	5%	1/10W
1-216-025-00	s	RES, CHIP	100	5%	1/10W
1-216-027-00	s	RES, CHIP	120	5%	1/10W
1-216-029-00	s	RES, CHIP	150	5%	1/10W
1-216-031-00	s	RES, CHIP	180	5%	1/10W
1-216-033-00	s	RES, CHIP	220	5%	1/10W
1-216-035-00	s	RES, CHIP	270	5%	1/10W
1-216-037-00	s	RES, CHIP	330	5%	1/10W
1-216-039-00	s	RES, CHIP	390	5%	1/10W
1-216-041-00	s	RES, CHIP	470	5%	1/10W
1-216-043-00	s	RES, CHIP	560	5%	1/10W
1-216-045-00	s	RES, CHIP	680	5%	1/10W
1-216-047-00	s	RES, CHIP	820	5%	1/10W
1-216-049-00	s	RES, CHIP	1k	5%	1/10W
1-216-051-00	s	RES, CHIP	1.2k	5%	1/10W
1-216-053-00	s	RES, CHIP	1.5k	5%	1/10W
1-216-055-00	s	RES, CHIP	1.8k	5%	1/10W
1-216-057-00	s	RES, CHIP	2.2k	5%	1/10W
1-216-059-00	s	RES, CHIP	2.7k	5%	1/10W
1-216-061-00	s	RES, CHIP	3.3k	5%	1/10W
1-216-063-00	s	RES, CHIP	3.9k	5%	1/10W
1-216-065-00	s	RES, CHIP	4.7k	5%	1/10W
1-216-067-00	s	RES, CHIP	5.6k	5%	1/10W
1-216-069-00	s	RES, CHIP	6.8k	5%	1/10W
1-216-071-00	s	RES, CHIP	8.2k	5%	1/10W
1-216-073-00	s	RES, CHIP	10k	5%	1/10W
1-216-075-00	s	RES, CHIP	12k	5%	1/10W
1-216-077-00	s	RES, CHIP	15k	5%	1/10W
1-216-079-00	s	RES, CHIP	18k	5%	1/10W
1-216-081-00	s	RES, CHIP	22k	5%	1/10W
1-216-083-00	s	RES, CHIP	27k	5%	1/10W
1-216-085-00	s	RES, CHIP	33k	5%	1/10W
1-216-087-00	s	RES, CHIP	39k	5%	1/10W
1-216-089-00	s	RES, CHIP	47k	5%	1/10W
1-216-091-00	s	RES, CHIP	56k	5%	1/10W

Parts No. SP Description

1-216-093-00	s	RES, CHIP	68k	5%	1/10W
1-216-095-00	s	RES, CHIP	82k	5%	1/10W
1-216-097-00	s	RES, CHIP	100k	5%	1/10W
1-216-099-00	s	RES, CHIP	120k	5%	1/10W
1-216-101-00	s	RES, CHIP	150k	5%	1/10W
1-216-103-00	s	RES, CHIP	180k	5%	1/10W
1-216-105-00	s	RES, CHIP	220k	5%	1/10W
1-216-107-00	s	RES, CHIP	270k	5%	1/10W
1-216-109-00	s	RES, CHIP	330k	5%	1/10W
1-216-111-00	s	RES, CHIP	390k	5%	1/10W
1-216-113-00	s	RES, CHIP	470k	5%	1/10W
1-216-115-00	s	RES, CHIP	560k	5%	1/10W
1-216-117-00	s	RES, CHIP	680k	5%	1/10W
1-216-119-00	s	RES, CHIP	820k	5%	1/10W
1-216-121-00	s	RES, CHIP	1.0M	5%	1/10W
1-216-123-00	s	RES, CHIP	1.2M	5%	1/10W
1-216-125-00	s	RES, CHIP	1.5M	5%	1/10W
1-216-127-00	s	RES, CHIP	1.8M	5%	1/10W
1-216-129-00	s	RES, CHIP	2.2M	5%	1/10W
1-216-131-00	s	RES, CHIP	2.7M	5%	1/10W
1-216-133-00	s	RES, CHIP	3.3M	5%	1/10W

Parts No. SP Description

RESISTOR, METAL

1-215-373-31	s	RES, METAL	10	1% 1/6W
1-215-374-00	s	RES, METAL	11	1% 1/6W
1-215-375-00	s	RES, METAL	12	1% 1/6W
1-215-376-00	s	RES, METAL	13	1% 1/6W
1-215-377-00	s	RES, METAL	15	1% 1/6W
1-215-378-00	s	RES, METAL	16	1% 1/6W
1-215-379-00	s	RES, METAL	18	1% 1/6W
1-215-380-00	s	RES, METAL	20	1% 1/6W
1-215-381-00	s	RES, METAL	22	1% 1/6W
1-215-382-00	s	RES, METAL	24	1% 1/6W
1-215-383-00	s	RES, METAL	27	1% 1/6W
1-215-384-00	s	RES, METAL	30	1% 1/6W
1-215-385-00	s	RES, METAL	33	1% 1/6W
1-215-386-00	s	RES, METAL	36	1% 1/6W
1-215-387-00	s	RES, METAL	39	1% 1/6W
1-215-388-00	s	RES, METAL	43	1% 1/6W
1-215-389-00	s	RES, METAL	47	1% 1/6W
1-215-390-00	s	RES, METAL	51	1% 1/6W
1-215-391-00	s	RES, METAL	56	1% 1/6W
1-215-392-00	s	RES, METAL	62	1% 1/6W
1-215-393-00	s	RES, METAL	68	1% 1/6W
1-215-394-00	s	RES, METAL	75	1% 1/6W
1-215-395-00	s	RES, METAL	82	1% 1/6W
1-215-396-00	s	RES, METAL	91	1% 1/6W
1-215-397-00	s	RES, METAL	100	1% 1/6W
1-215-398-00	s	RES, METAL	110	1% 1/6W
1-215-399-00	s	RES, METAL	120	1% 1/6W
1-215-400-00	s	RES, METAL	130	1% 1/6W
1-215-401-00	s	RES, METAL	150	1% 1/6W
1-215-402-00	s	RES, METAL	160	1% 1/6W
1-215-403-00	s	RES, METAL	180	1% 1/6W
1-215-404-00	s	RES, METAL	200	1% 1/6W
1-215-405-00	s	RES, METAL	220	1% 1/6W
1-215-406-00	s	RES, METAL	240	1% 1/6W
1-215-407-00	s	RES, METAL	270	1% 1/6W
1-215-408-00	s	RES, METAL	300	1% 1/6W
1-215-409-00	s	RES, METAL	330	1% 1/6W
1-215-410-00	s	RES, METAL	360	1% 1/6W
1-215-411-00	s	RES, METAL	390	1% 1/6W
1-215-412-00	s	RES, METAL	430	1% 1/6W
1-215-413-00	s	RES, METAL	470	1% 1/6W
1-215-414-00	s	RES, METAL	510	1% 1/6W
1-215-415-00	s	RES, METAL	560	1% 1/6W
1-215-416-00	s	RES, METAL	620	1% 1/6W
1-215-417-00	s	RES, METAL	680	1% 1/6W
1-215-418-00	s	RES, METAL	750	1% 1/6W
1-215-419-00	s	RES, METAL	820	1% 1/6W
1-215-420-00	s	RES, METAL	910	1% 1/6W
1-215-421-00	s	RES, METAL	1.0k	1% 1/6W
1-215-422-00	s	RES, METAL	1.1k	1% 1/6W
1-215-423-00	s	RES, METAL	1.2k	1% 1/6W
1-215-424-00	s	RES, METAL	1.3k	1% 1/6W
1-215-425-00	s	RES, METAL	1.5k	1% 1/6W
1-215-426-00	s	RES, METAL	1.6k	1% 1/6W
1-215-427-00	s	RES, METAL	1.8k	1% 1/6W
1-215-428-00	s	RES, METAL	2.0k	1% 1/6W
1-215-429-00	s	RES, METAL	2.2k	1% 1/6W
1-215-430-00	s	RES, METAL	2.4k	1% 1/6W
1-215-431-00	s	RES, METAL	2.7k	1% 1/6W
1-215-432-00	s	RES, METAL	3.0k	1% 1/6W

Parts No. SP Description

1-215-433-00	s	RES, METAL	3.3k	1% 1/6W
1-215-434-00	s	RES, METAL	3.6k	1% 1/6W
1-215-435-00	s	RES, METAL	3.9k	1% 1/6W
1-215-436-00	s	RES, METAL	4.3k	1% 1/6W
1-215-437-00	s	RES, METAL	4.7k	1% 1/6W
1-215-438-00	s	RES, METAL	5.1k	1% 1/6W
1-215-439-00	s	RES, METAL	5.6k	1% 1/6W
1-215-440-00	s	RES, METAL	6.2k	1% 1/6W
1-215-441-00	s	RES, METAL	6.8k	1% 1/6W
1-215-442-00	s	RES, METAL	7.5k	1% 1/6W
1-215-443-00	s	RES, METAL	8.2k	1% 1/6W
1-215-444-00	s	RES, METAL	9.1k	1% 1/6W
1-215-445-00	s	RES, METAL	10k	1% 1/6W
1-215-446-00	s	RES, METAL	11k	1% 1/6W
1-215-447-00	s	RES, METAL	12k	1% 1/6W
1-215-448-00	s	RES, METAL	13k	1% 1/6W
1-215-449-00	s	RES, METAL	15k	1% 1/6W
1-215-450-00	s	RES, METAL	16k	1% 1/6W
1-215-451-00	s	RES, METAL	18k	1% 1/6W
1-215-452-00	s	RES, METAL	20k	1% 1/6W
1-215-453-00	s	RES, METAL	22k	1% 1/6W
1-215-454-00	s	RES, METAL	24k	1% 1/6W
1-215-455-00	s	RES, METAL	27k	1% 1/6W
1-215-456-00	s	RES, METAL	30k	1% 1/6W
1-215-457-00	s	RES, METAL	33k	1% 1/6W
1-215-458-00	s	RES, METAL	36k	1% 1/6W
1-215-459-00	s	RES, METAL	39k	1% 1/6W
1-215-460-00	s	RES, METAL	43k	1% 1/6W
1-215-461-00	s	RES, METAL	47k	1% 1/6W
1-215-462-00	s	RES, METAL	51k	1% 1/6W
1-215-463-00	s	RES, METAL	56k	1% 1/6W
1-215-464-00	s	RES, METAL	62k	1% 1/6W
1-215-465-00	s	RES, METAL	68k	1% 1/6W
1-215-466-00	s	RES, METAL	75k	1% 1/6W
1-215-467-00	s	RES, METAL	82k	1% 1/6W
1-215-468-00	s	RES, METAL	91k	1% 1/6W
1-215-469-00	s	RES, METAL	100k	1% 1/6W
1-215-470-00	s	RES, METAL	110k	1% 1/6W
1-215-471-00	s	RES, METAL	120k	1% 1/6W
1-215-472-00	s	RES, METAL	130k	1% 1/6W
1-215-473-00	s	RES, METAL	150k	1% 1/6W
1-215-474-00	s	RES, METAL	160k	1% 1/6W
1-215-475-00	s	RES, METAL	180k	1% 1/6W
1-215-476-00	s	RES, METAL	200k	1% 1/6W
1-215-477-00	s	RES, METAL	220k	1% 1/6W
1-215-478-00	s	RES, METAL	240k	1% 1/6W
1-215-479-00	s	RES, METAL	270k	1% 1/6W
1-215-480-00	s	RES, METAL	300k	1% 1/6W
1-215-481-00	s	RES, METAL	330k	1% 1/6W
1-215-482-00	s	RES, METAL	360k	1% 1/6W
1-215-483-00	s	RES, METAL	390k	1% 1/6W
1-215-484-00	s	RES, METAL	430k	1% 1/6W
1-215-485-00	s	RES, METAL	470k	1% 1/6W
1-215-486-00	s	RES, METAL	510k	1% 1/6W
1-215-487-00	s	RES, METAL	560k	1% 1/6W
1-215-488-00	s	RES, METAL	620k	1% 1/6W
1-215-489-00	s	RES, METAL	680k	1% 1/6W
1-215-490-00	s	RES, METAL	750k	1% 1/6W
1-215-491-00	s	RES, METAL	820k	1% 1/6W
1-215-492-00	s	RES, METAL	910k	1% 1/6W
1-215-493-00	s	RES, METAL	1.0M	1% 1/6W

AC-96, AFM-1

Ref.No. Parts No. SP Description

AC-96 BOARD

1-628-132-11 o PRINTED CIRCUIT BOARD, AC-96

AC1	1-136-185-00	s	FILM	0.22	20%	250V
C2	1-161-742-00	s	CERAMIC	0.0022	20%	400V
C3	1-161-742-00	s	CERAMIC	0.0022	20%	400V
C4	1-161-742-00	s	CERAMIC	0.0022	20%	400V

ACN420	1-564-241-00	o	4P
	1-562-285-11	o	4P HOUSING
	1-562-210-11	o	4P CONTACT
CN421	1-564-674-11	o	8P
	1-562-640-11	o	8P HOUSING
	1-562-210-11	o	8P CONTACT

R1 1-214-937-00 s CARBON 1M 5% 1/2W

AFM-1 BOARD

This board includes the FL-61 board.

A-6713-270-A o MOUNTED CIRCUIT BOARD, AFM-1

C2	1-163-033-00	s	CERAMIC	0.022		50V
C4	1-163-033-00	s	CERAMIC	0.022		50V
C9	1-163-033-00	s	CERAMIC	0.022		50V
C15	1-124-463-00	s	ELECT	0.1	20%	50V
C17	1-163-033-00	s	CERAMIC	0.022		50V
C18	1-124-257-00	s	ELECT	2.2	20%	50V
C21	1-163-033-00	s	CERAMIC	0.022		50V
C27	1-124-463-00	s	ELECT	0.1	20%	50V
C29	1-163-033-00	s	CERAMIC	0.022		50V
C30	1-124-257-00	s	ELECT	2.2	20%	50V
C33	1-163-033-00	s	CERAMIC	0.022		50V
C34	1-163-033-00	s	CERAMIC	0.022		50V
C103	1-163-033-00	s	CERAMIC	0.022		50V
C108	1-124-462-00	s	ELECT	10	20%	16V
C113	1-123-369-00	s	ELECT	4.7	20%	25V
C114	1-163-033-00	s	CERAMIC	0.022		50V
C115	1-163-135-00	s	CERAMIC	560pF	5%	50V
C116	1-124-499-11	s	ELECT	1	20%	50V
C118	1-124-224-00	s	ELECT	47	20%	6.3V
C119	1-163-033-00	s	CERAMIC	0.022		50V
C125	1-124-462-00	s	ELECT	10	20%	16V
C130	1-123-369-00	s	ELECT	4.7	20%	25V
C131	1-163-135-00	s	CERAMIC	560pF	5%	50V
C132	1-124-499-11	s	ELECT	1	20%	50V
C134	1-124-224-00	s	ELECT	47	20%	6.3V
C136	1-163-033-00	s	CERAMIC	0.022		50V
C137	1-124-638-11	s	ELECT	22	20%	10V
C141	1-163-033-00	s	CERAMIC	0.022		50V
C144	1-124-224-00	s	ELECT	47	20%	6.3V
C203	1-163-033-00	s	CERAMIC	0.022		50V

Ref.No. Parts No. SP Description

C208	1-124-462-00	s	ELECT	10	20%	16V
C213	1-123-369-00	s	ELECT	4.7	20%	25V
C214	1-163-033-00	s	CERAMIC	0.022		50V
C215	1-163-135-00	s	CERAMIC	560pF	5%	50V
C216	1-124-499-11	s	ELECT	1	20%	50V
C218	1-124-224-00	s	ELECT	47	20%	6.3V
C219	1-163-033-00	s	CERAMIC	0.022		50V
C225	1-124-462-00	s	ELECT	10	20%	16V
C230	1-123-369-00	s	ELECT	4.7	20%	25V
C231	1-163-135-00	s	CERAMIC	560pF	5%	50V
C232	1-124-499-11	s	ELECT	1	20%	50V
C234	1-124-224-00	s	ELECT	47	20%	6.3V
C235	1-124-638-11	s	ELECT	22	20%	10V
C237	1-163-033-00	s	CERAMIC	0.022		50V
C244	1-124-224-00	s	ELECT	47	20%	6.3V
C302	1-163-033-00	s	CERAMIC	0.022		50V
C304	1-163-033-00	s	CERAMIC	0.022		50V
C305	1-124-638-11	s	ELECT	22	20%	10V
C311	1-163-033-00	s	CERAMIC	0.022		50V
C313	1-163-033-00	s	CERAMIC	0.022		50V
C316	1-124-638-11	s	ELECT	22	20%	10V
C323	1-124-638-11	s	ELECT	22	20%	10V
C326	1-163-133-00	s	CERAMIC	470pF	5%	50V
C402	1-163-033-00	s	CERAMIC	0.022		50V
C404	1-163-033-00	s	CERAMIC	0.022		50V
C405	1-124-638-11	s	ELECT	22	20%	10V
C411	1-163-033-00	s	CERAMIC	0.022		50V
C413	1-163-033-00	s	CERAMIC	0.022		50V
C416	1-124-638-11	s	ELECT	22	20%	10V
C423	1-124-638-11	s	ELECT	22	20%	10V
C426	1-163-133-00	s	CERAMIC	470pF	5%	50V
C513	1-124-462-00	s	ELECT	10	20%	16V
C515	1-163-033-00	s	CERAMIC	0.022		50V
C529	1-124-462-00	s	ELECT	10	20%	16V
C602	1-163-033-00	s	CERAMIC	0.022		50V
C604	1-163-033-00	s	CERAMIC	0.022		50V
C701	1-126-103-11	s	ELECT	470	20%	16V
C702	1-163-033-00	s	CERAMIC	0.022	10%	25V
C706	1-126-103-11	s	ELECT	470	20%	16V
C707	1-163-037-11	s	CERAMIC	0.022	10%	25V
C708	1-126-103-11	s	ELECT	470	20%	16V
C709	1-163-033-00	s	CERAMIC	0.022		50V
C713	1-126-103-11	s	ELECT	470	20%	16V
C714	1-163-037-11	s	CERAMIC	0.022	10%	25V
C725	1-163-033-00	s	CERAMIC	0.022		50V
C728	1-163-033-00	s	CERAMIC	0.022		50V
C729	1-163-033-00	s	CERAMIC	0.022		50V
C901	1-124-257-00	s	ELECT	2.2	20%	50V
C902	1-124-638-11	s	ELECT	22	20%	10V
C903	1-124-638-11	s	ELECT	22	20%	10V
C904	1-124-638-11	s	ELECT	22	20%	10V
C905	1-124-638-11	s	ELECT	22	20%	10V
C907	1-102-106-00	s	CERAMIC	100pF	10%	50V
C908	1-102-106-00	s	CERAMIC	100pF	10%	50V

CN202 1-506-748-11 s DIN 96P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D101 8-719-101-23 s 1SS123
 D102 8-719-101-23 s 1SS123
 D201 8-719-101-23 s 1SS123
 D202 8-719-101-23 s 1SS123
 D301 8-719-914-11 s HZ4ALL

D302 8-719-914-11 s HZ4ALL
 D401 8-719-914-11 s HZ4ALL
 D402 8-719-914-11 s HZ4ALL
 D501 8-719-933-36 s HZ6A1L
 D502 8-719-933-36 s HZ6A1L

D901 8-719-100-03 s 1S2835
 D902 8-719-100-03 s 1S2835

FL1 1-236-590-11 s LOW-PASS 1.0MHz
 FL2 1-236-590-11 s LOW-PASS 1.0MHz
 FL3 1-236-012-11 s BANDPASS 310kHz
 FL4 1-236-013-11 s BANDPASS 540kHz
 FL5 1-236-013-11 s BANDPASS 540kHz

FL6 1-236-012-11 s BANDPASS 310kHz
 FL7 1-236-012-11 s BANDPASS 310kHz
 FL8 1-236-013-11 s BANDPASS 540kHz
 FL9 1-236-003-11 s LOW-PASS

IC1 8-759-403-78 s AN3920K (MATSUSHITA)
 IC2 8-759-403-78 s AN3920K (MATSUSHITA)
 IC101 8-759-403-77 s AN3922NK (MATSUSHITA)
 IC102 8-759-403-77 s AN3922NK (MATSUSHITA)
 IC103 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC104 8-759-700-84 s NJM2041M-D (JRC)
 IC201 8-759-403-77 s AN3922NK (MATSUSHITA)
 IC202 8-759-403-77 s AN3922NK (MATSUSHITA)
 IC301 8-759-700-84 s NJM2041M-D (JRC)
 IC303 8-759-700-84 s NJM2041M-D (JRC)

IC304 8-759-700-94 s NJM5532M (JRC)
 IC401 8-759-700-84 s NJM2041M-D (JRC)
 IC403 8-759-700-84 s NJM2041M-D (JRC)
 IC404 8-759-700-94 s NJM5532M (JRC)
 IC501 8-752-009-90 s CX20099 (SONY)

IC502 8-759-700-84 s NJM2041M-D (JRC)
 IC701 8-759-200-68 s TC4011BF (TOSHIBA)
 IC702 8-759-207-74 s TC4030BFHB (TOSHIBA)
 IC703 8-759-205-78 s TC504013BF (TOSHIBA)
 IC704 8-759-200-90 s TC4538BF (TOSHIBA)

IC705 8-759-200-90 s TC4538BF (TOSHIBA)
 IC706 8-759-200-67 s TC4001BF (TOSHIBA)
 IC707 8-759-200-68 s TC4011BF (TOSHIBA)
 IC708 8-759-278-06 s TA78L006AP (TOSHIBA)
 IC710 8-759-982-05 s RC7805FA (RAYTHEON)

L1 1-410-482-31 s MICRO 100
 L2 1-410-482-31 s MICRO 100
 L3 1-410-482-31 s MICRO 100
 L4 1-410-482-31 s MICRO 100
 L101 1-410-482-31 s MICRO 100

L102 1-410-064-11 s MICRO 2.7MMH
 L103 1-410-064-11 s MICRO 2.7MMH
 L104 1-410-482-31 s MICRO 100
 L201 1-410-482-31 s MICRO 100
 L202 1-410-064-11 s MICRO 2.7MMH

Ref.No. Parts No. SP Description

L203 1-410-064-11 s MICRO 2.7MMH
 L601 1-410-482-31 s MICRO 100
 L602 1-410-482-31 s MICRO 100
 L701 1-459-155-00 s 45 (WITH CORE)
 L702 1-459-155-00 s 45 (WITH CORE)

Q1 8-729-100-66 s 2SC1623
 Q2 8-729-100-66 s 2SC1623
 Q3 8-729-100-66 s 2SC1623
 Q4 8-729-100-66 s 2SC1623
 Q5 8-729-901-03 s DTC144WK

Q6 8-729-901-03 s DTC144WK
 Q101 8-729-901-03 s DTC144WK
 Q201 8-729-901-03 s DTC144WK
 Q301 8-766-001-49 s TX429M
 Q302 8-766-001-49 s TX429M

Q303 8-766-001-49 s TX429M
 Q304 8-766-001-49 s TX429M
 Q401 8-766-001-49 s TX429M
 Q402 8-766-001-49 s TX429M
 Q403 8-766-001-49 s TX429M

Q404 8-766-001-49 s TX429M
 Q601 8-729-100-66 s 2SC1623
 Q602 8-729-100-66 s 2SC1623
 Q603 8-729-100-66 s 2SC1623
 Q604 8-729-100-66 s 2SC1623

Q605 8-729-901-03 s DTC144WK
 Q606 8-729-100-66 s 2SC1623
 Q607 8-729-100-66 s 2SC1623
 Q608 8-729-100-66 s 2SC1623
 Q701 8-729-177-33 s 2SD773-4

Q702 8-729-113-33 s 2SB733-4
 Q703 8-729-901-05 s DTA124EK
 Q704 8-729-901-05 s DTA124EK
 Q705 8-729-901-05 s DTA124EK
 Q706 8-729-901-05 s DTA124EK

Q707 8-729-901-05 s DTA124EK
 Q901 8-729-271-22 s 2SC2712G
 G902 8-729-100-66 s 2SC1623
 Q903 8-729-202-38 s 2SC3326N
 Q904 8-729-202-38 s 2SC3326N

R3 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R4 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R8 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R9 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R12 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

R13 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W
 R15 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R16 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R17 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R18 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W

R20 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R21 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W
 R23 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R24 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R25 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R26	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R101	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R103	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R108	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R110	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R115	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R116	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R120	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R121	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R130	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
R131	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
R201	1-216-670-11	s	METAL CHIP 6.2k 0.50% 1/10W
R203	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R208	1-216-670-11	s	METAL CHIP 6.2k 0.50% 1/10W
R210	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R215	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R216	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R220	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R221	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R314	1-216-666-11	s	METAL CHIP 4.3k 0.50% 1/10W
R323	1-216-664-11	s	METAL CHIP 3.6k 0.50% 1/10W
R324	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R327	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R328	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R350	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
R414	1-216-666-11	s	METAL CHIP 4.3k 0.50% 1/10W
R423	1-216-664-11	s	METAL CHIP 3.6k 0.50% 1/10W
R424	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R427	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R428	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R450	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
R501	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R504	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R505	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R506	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R508	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R509	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R511	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R512	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R513	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R515	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R519	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R520	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R521	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R522	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R523	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R524	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R525	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R526	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R527	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W
R528	1-216-198-00	s	CHIP 1k 5% 1/8W
R529	1-216-198-00	s	CHIP 1k 5% 1/8W
R530	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R531	1-216-668-11	s	METAL CHIP 5.1k 0.50% 1/10W
R532	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R533	1-216-668-11	s	METAL CHIP 5.1k 0.50% 1/10W
R603	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R604	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R606	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R607	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R617	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W

Ref.No.	Parts No.	SP	Description
R618	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R621	1-247-767-00	s	CARBON 2.2 5% 1/4W
R707	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
R708	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
R709	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R718	1-216-682-11	s	METAL CHIP 20k 0.50% 1/10W
R719	1-216-682-11	s	METAL CHIP 20k 0.50% 1/10W
R721	1-216-682-11	s	METAL CHIP 20k 0.50% 1/10W
RV2	1-237-520-21	s	VAR, CERMET 50k
RV4	1-237-520-21	s	VAR, CERMET 50k
RV5	1-237-519-21	s	VAR, CERMET 20k
RV6	1-237-519-21	s	VAR, CERMET 20k
RV101	1-237-516-21	s	VAR, CERMET 2k
RV102	1-237-517-21	s	VAR, CERMET 5k
RV103	1-237-516-21	s	VAR, CERMET 2k
RV104	1-230-838-11	s	VAR, METAL FILM 200
RV105	1-237-519-21	s	VAR, CERMET 20k
RV201	1-237-516-21	s	VAR, CERMET 2k
RV202	1-237-517-21	s	VAR, CERMET 5k
RV203	1-237-516-21	s	VAR, CERMET 2k
RV204	1-230-838-11	s	VAR, METAL FILM 200
RV205	1-237-519-21	s	VAR, CERMET 20k
RV304	1-226-703-11	s	VAR, METAL GLAZE 10k
RV404	1-226-703-11	s	VAR, METAL GLAZE 10k
RV501	1-237-514-21	s	VAR, CERMET 500
RV502	1-237-514-21	s	VAR, CERMET 500
RV601	1-226-773-11	s	VAR, METAL GLAZE 22k
RV602	1-237-517-21	s	VAR, CERMET 5k
RV603	1-237-519-21	s	VAR, CERMET 20k
S1	1-570-857-11	s	SLIDE

AU-75 BOARD

A-6713-271-A o MOUNTED CIRCUIT BOARD, AU-75

C11	1-127-503-00	s	ELECT	0.33	25V
C12	1-127-503-00	s	ELECT	0.33	25V
C13	1-127-503-00	s	ELECT	0.33	25V
C14	1-127-503-00	s	ELECT	0.33	25V
C19	1-124-236-00	s	ELECT	47	20% 10V
C20	1-124-236-00	s	ELECT	47	20% 10V
C101	1-124-657-00	s	ELECT	10	20% 50V
C102	1-124-657-00	s	ELECT	10	20% 50V
C105	1-124-236-00	s	ELECT	47	20% 10V
C106	1-124-236-00	s	ELECT	47	20% 10V
C107	1-124-236-00	s	ELECT	47	20% 10V
C108	1-124-598-11	s	ELECT	22	20% 25V
C109	1-127-501-00	s	ELECT	0.15	25V
C110	1-124-236-00	s	ELECT	47	20% 10V
C112	1-124-236-00	s	ELECT	47	20% 10V
C114	1-124-462-00	s	ELECT	10	20% 16V
C115	1-124-462-00	s	ELECT	10	20% 16V
C122	1-124-462-00	s	ELECT	10	20% 16V
C123	1-124-462-00	s	ELECT	10	20% 16V
C124	1-124-236-00	s	ELECT	47	20% 10V

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Ref.No. Parts No. SP Description

C125	1-124-236-00	s	ELECT	47	20%	10V
C133	1-124-462-00	s	ELECT	10	20%	16V
C134	1-124-462-00	s	ELECT	10	20%	16V
C139	1-124-462-00	s	ELECT	10	20%	16V
C143	1-124-236-00	s	ELECT	47	20%	10V
C144	1-124-236-00	s	ELECT	47	20%	10V
C145	1-124-462-00	s	ELECT	10	20%	16V
C149	1-102-116-00	s	CERAMIC	680pF	10%	50V
C150	1-124-462-00	s	ELECT	10	20%	16V
C151	1-124-236-00	s	ELECT	47	20%	10V
C155	1-124-236-00	s	ELECT	47	20%	10V
C156	1-124-236-00	s	ELECT	47	20%	10V
C201	1-124-657-00	s	ELECT	10	20%	50V
C202	1-124-657-00	s	ELECT	10	20%	50V
C205	1-124-236-00	s	ELECT	47	20%	10V
C206	1-124-236-00	s	ELECT	47	20%	10V
C207	1-124-236-00	s	ELECT	47	20%	10V
C208	1-124-598-11	s	ELECT	22	20%	25V
C209	1-127-501-00	s	ELECT	0.15		25V
C210	1-124-236-00	s	ELECT	47	20%	10V
C212	1-124-236-00	s	ELECT	47	20%	10V
C214	1-124-462-00	s	ELECT	10	20%	16V
C215	1-124-462-00	s	ELECT	10	20%	16V
C222	1-124-462-00	s	ELECT	10	20%	16V
C223	1-124-462-00	s	ELECT	10	20%	16V
C224	1-124-236-00	s	ELECT	47	20%	10V
C225	1-124-236-00	s	ELECT	47	20%	10V
C233	1-124-462-00	s	ELECT	10	20%	16V
C234	1-124-462-00	s	ELECT	10	20%	16V
C239	1-124-462-00	s	ELECT	10	20%	16V
C243	1-124-236-00	s	ELECT	47	20%	10V
C244	1-124-236-00	s	ELECT	47	20%	10V
C245	1-124-462-00	s	ELECT	10	20%	16V
C249	1-102-116-00	s	CERAMIC	680pF	10%	50V
C250	1-124-462-00	s	ELECT	10	20%	16V
C251	1-124-236-00	s	ELECT	47	20%	10V
C255	1-124-236-00	s	ELECT	47	20%	10V
C256	1-124-236-00	s	ELECT	47	20%	10V
C302	1-124-462-00	s	ELECT	10	20%	16V
C304	1-124-462-00	s	ELECT	10	20%	16V
C408	1-124-462-00	s	ELECT	10	20%	16V
C409	1-124-462-00	s	ELECT	10	20%	16V
C508	1-124-462-00	s	ELECT	10	20%	16V
C509	1-124-462-00	s	ELECT	10	20%	16V

CN203 1-506-748-11 s DIN 96P

D101	8-719-100-03	s	1S2835
D102	8-719-100-03	s	1S2835
D103	8-719-100-03	s	1S2835
D104	8-719-100-03	s	1S2835
D105	8-719-100-03	s	1S2835
D106	8-719-100-03	s	1S2835
D201	8-719-100-03	s	1S2835
D202	8-719-100-03	s	1S2835
D203	8-719-100-03	s	1S2835
D204	8-719-100-03	s	1S2835
D205	8-719-100-03	s	1S2835
D206	8-719-100-03	s	1S2835
D301	8-719-100-03	s	1S2835

Ref.No. Parts No. SP Description

FL101	1-236-171-11	s	LOW-PASS 15kHz
FL201	1-236-171-11	s	LOW-PASS 15kHz
IC101	8-759-700-84	s	NJM2041M-D (JRC)
IC104	8-741-115-21	s	BX1152A (SONY)
IC105	8-759-745-64	s	NJM4560M (JRC)
IC106	8-759-745-64	s	NJM4560M (JRC)
IC107	8-759-745-64	s	NJM4560M (JRC)
IC108	8-759-200-68	s	TC4011BF (TOSHIBA)
IC109	8-759-700-94	s	NJM5532M (JRC)
IC110	8-759-700-84	s	NJM2041M-D (JRC)
IC111	8-759-700-84	s	NJM2041M-D (JRC)
IC112	8-741-134-32	s	BX1343A (SONY)
IC201	8-759-700-84	s	NJM2041M-D (JRC)
IC204	8-741-115-21	s	BX1152A (SONY)
IC205	8-759-745-64	s	NJM4560M (JRC)
IC206	8-759-745-64	s	NJM4560M (JRC)
IC207	8-759-745-64	s	NJM4560M (JRC)
IC208	8-759-200-68	s	TC4011BF (TOSHIBA)
IC209	8-759-700-94	s	NJM5532M (JRC)
IC210	8-759-700-84	s	NJM2041M-D (JRC)
IC211	8-759-700-84	s	NJM2041M-D (JRC)
IC212	8-741-134-32	s	BX1343A (SONY)
IC301	8-759-700-84	s	NJM2041M-D (JRC)
IC302	8-759-200-84	s	TC4081BF (TOSHIBA)
IC401	8-759-745-64	s	NJM4560M (JRC)
IC501	8-759-745-64	s	NJM4560M (JRC)
L1	1-412-533-11	s	MICRO 47
LV101	1-459-434-00	s	VAR 22MMH
LV102	1-459-411-00	s	VAR 18MMH
LV103	1-459-411-00	s	VAR 18MMH
LV201	1-459-434-00	s	VAR 22MMH
LV202	1-459-411-00	s	VAR 18MMH
LV203	1-459-411-00	s	VAR 18MMH
LV401	1-407-297-00	s	VAR 3.5MMH
LV501	1-407-297-00	s	VAR 3.5MMH
Q1	8-729-905-53	s	2SD1055-R
Q2	8-729-982-23	s	2SB822
Q3	8-759-708-05	s	NJM78L05A (JRC)
Q4	8-759-700-65	s	NJM79L05A (JRC)
Q101	8-766-001-49	s	TX429M
Q102	8-729-202-38	s	2SC3326N
Q103	8-729-202-38	s	2SC3326N
Q104	8-766-001-49	s	TX429M
Q105	8-729-271-23	s	2SC2712
Q106	8-729-271-23	s	2SC2712
Q107	8-729-178-55	s	2SC2785-E
Q108	8-729-178-55	s	2SC2785-E
Q109	8-729-901-06	s	DTA144EK
Q110	8-729-901-06	s	DTA144EK
Q111	8-729-216-21	s	2SA1162Y
Q112	8-729-216-21	s	2SA1162Y
Q113	8-729-901-06	s	DTA144EK
Q114	8-729-901-01	s	DTC144EK
Q115	8-729-901-06	s	DTA144EK
Q116	8-729-901-01	s	DTC144EK

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q201	8-766-001-49	s	TX429M			
Q202	8-729-202-38	s	2SC3326N			
Q203	8-729-202-38	s	2SC3326N			
Q204	8-766-001-49	s	TX429M			
Q205	8-729-271-23	s	2SC2712			
Q206	8-729-271-23	s	2SC2712			
Q207	8-729-178-55	s	2SC2785-E			
Q208	8-729-178-55	s	2SC2785-E			
Q209	8-729-901-06	s	DTA144EK			
Q210	8-729-901-06	s	DTA144EK			
Q211	8-729-216-21	s	2SA1162Y			
Q212	8-729-216-21	s	2SA1162Y			
Q213	8-729-901-06	s	DTA144EK			
Q214	8-729-901-01	s	DTC144EK			
Q215	8-729-901-06	s	DTA144EK			
Q216	8-729-901-01	s	DTC144EK			
Q301	8-729-202-38	s	2SC3326N			
Q302	8-729-901-06	s	DTA144EK			
Q303	8-729-901-01	s	DTC144EK			
Q304	8-729-901-06	s	DTA144EK			
Q305	8-729-901-06	s	DTA144EK			
R1	1-247-745-11	s	CARBON 330	5%	1/2W	
R2	1-247-745-11	s	CARBON 330	5%	1/2W	
R140	1-216-748-11	s	METAL CHIP 39k	5%	1/10W	
R152	1-216-748-11	s	METAL CHIP 39k	5%	1/10W	
R170	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W	
R171	1-216-698-11	s	METAL CHIP 91k	0.50%	1/10W	
R189	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W	
R191	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W	
R240	1-216-748-11	s	METAL CHIP 39k	5%	1/10W	
R252	1-216-748-11	s	METAL CHIP 39k	5%	1/10W	
R270	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W	
R271	1-216-698-11	s	METAL CHIP 91k	0.50%	1/10W	
R289	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W	
R291	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W	
R829	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W	
R834	1-216-685-11	s	METAL CHIP 27k	0.50%	1/10W	
R837	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R844	1-216-692-11	s	METAL CHIP 5k	0.50%	1/10W	
RV101	1-237-503-21	s	VAR, CERMET 10k			
RV102	1-237-504-21	s	VAR, CERMET 20k			
RV103	1-237-517-21	s	VAR, CERMET 5k			
RV104	1-237-503-21	s	VAR, CERMET 10k			
RV105	1-237-504-21	s	VAR, CERMET 20k			
RV106	1-237-517-21	s	VAR, CERMET 5k			
RV107	1-237-520-21	s	VAR, CERMET 50k			
RV108	1-237-518-21	s	VAR, CERMET 10k			
RV110	1-237-518-21	s	VAR, CERMET 10k			
RV201	1-237-503-21	s	VAR, CERMET 10k			
RV202	1-237-504-21	s	VAR, CERMET 20k			
RV203	1-237-517-21	s	VAR, CERMET 5k			
RV204	1-237-503-21	s	VAR, CERMET 10k			
RV205	1-237-504-21	s	VAR, CERMET 20k			
RV206	1-237-517-21	s	VAR, CERMET 5k			
RV207	1-237-520-21	s	VAR, CERMET 50k			
RV208	1-237-518-21	s	VAR, CERMET 10k			
RV210	1-237-518-21	s	VAR, CERMET 10k			
RV211	1-228-464-00	s	VAR, CERMET 500k			
RV401	1-237-518-21	s	VAR, CERMET 10k			

Ref.No. Parts No. SP Description

RV402	1-237-518-21	s	VAR, CERMET 10k			
RV403	1-237-518-21	s	VAR, CERMET 10k			
3) RV404	1-237-517-21	s	VAR, CERMET 5k			
4) RV404	1-228-462-00	s	VAR, CERMET 100k			
RV405	1-237-515-21	s	VAR, CERMET 1k			
4) RV406	1-228-462-00	s	VAR, CERMET 100k			
RV501	1-237-518-21	s	VAR, CERMET 10k			
RV502	1-237-518-21	s	VAR, CERMET 10k			
RV503	1-237-518-21	s	VAR, CERMET 10k			
3) RV504	1-237-517-21	s	VAR, CERMET 5k			
4) RV504	1-228-462-00	s	VAR, CERMET 100k			
RV505	1-237-515-21	s	VAR, CERMET 1k			
4) RV506	1-228-462-00	s	VAR, CERMET 100k			

AU-76 BOARD

A-6713-272-A o MOUNTED CIRCUIT BOARD, AU-76

C1	1-126-103-11	s	ELECT 470	20%	16V	
C2	1-126-103-11	s	ELECT 470	20%	16V	
C5	1-126-103-11	s	ELECT 470	20%	16V	
C6	1-126-103-11	s	ELECT 470	20%	16V	
C7	1-127-503-00	s	ELECT 0.33		25V	
C8	1-127-503-00	s	ELECT 0.33		25V	
C9	1-127-503-00	s	ELECT 0.33		25V	
C10	1-127-503-00	s	ELECT 0.33		25V	
C23	1-124-236-00	s	ELECT 47	20%	10V	
C24	1-124-236-00	s	ELECT 47	20%	10V	
C109	1-124-236-00	s	ELECT 47	20%	10V	
C110	1-124-236-00	s	ELECT 47	20%	10V	
C111	1-124-462-00	s	ELECT 10	20%	16V	
C112	1-124-598-11	s	ELECT 22	20%	25V	
C113	1-124-462-00	s	ELECT 10	20%	16V	
C117	1-124-462-00	s	ELECT 10	20%	16V	
C119	1-124-236-00	s	ELECT 47	20%	10V	
C120	1-124-236-00	s	ELECT 47	20%	10V	
C124	1-124-236-00	s	ELECT 47	20%	10V	
C128	1-124-462-00	s	ELECT 10	20%	16V	
C129	1-124-236-00	s	ELECT 47	20%	10V	
C134	1-124-462-00	s	ELECT 10	20%	16V	
C136	1-109-631-00	s	MICA 330pF	5%	500V	
C151	1-124-462-00	s	ELECT 10	20%	16V	
C155	1-124-234-00	s	ELECT 22	20%	16V	
C157	1-124-234-00	s	ELECT 22	20%	16V	
C158	1-126-157-11	s	ELECT 10	20%	16V	
C167	1-123-055-00	s	ELECT 47	20%	16V	
C168	1-162-900-11	s	CERAMIC 0.068		50V	
C209	1-124-236-00	s	ELECT 47	20%	10V	
C210	1-124-236-00	s	ELECT 47	20%	10V	
C211	1-124-462-00	s	ELECT 10	20%	16V	
C212	1-124-598-11	s	ELECT 22	20%	25V	
C213	1-124-462-00	s	ELECT 10	20%	16V	
C217	1-124-462-00	s	ELECT 10	20%	16V	
C219	1-124-236-00	s	ELECT 47	20%	10V	
C220	1-124-236-00	s	ELECT 47	20%	10V	
C224	1-124-236-00	s	ELECT 47	20%	10V	
C228	1-124-462-00	s	ELECT 10	20%	16V	
C229	1-124-236-00	s	ELECT 47	20%	10V	

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C234 1-124-462-00 s ELECT 10 20% 16V
 C236 1-109-631-00 s MICA 330pF 5% 500V
 C251 1-124-462-00 s ELECT 10 20% 16V
 C255 1-124-234-00 s ELECT 22 20% 16V
 C257 1-124-234-00 s ELECT 22 20% 16V

C258 1-126-157-11 s ELECT 10 20% 16V
 C267 1-123-055-00 s ELECT 47 20% 16V
 C268 1-162-900-11 s CERAMIC 0.068 50V
 C309 1-124-236-00 s ELECT 47 20% 10V
 C310 1-124-236-00 s ELECT 47 20% 10V

C311 1-124-589-11 s ELECT 47 20% 10V
 C312 1-124-589-11 s ELECT 47 20% 10V
 C502 1-124-236-00 s ELECT 47 20% 10V
 C509 1-124-236-00 s ELECT 47 20% 10V
 C512 1-109-631-00 s MICA 330pF 5% 500V

C513 1-109-630-00 s MICA 270pF 5% 500V
 C515 1-109-631-00 s MICA 330pF 5% 500V
 C602 1-124-236-00 s ELECT 47 20% 10V
 C609 1-124-236-00 s ELECT 47 20% 10V
 C612 1-109-631-00 s MICA 330pF 5% 500V

C613 1-109-630-00 s MICA 270pF 5% 500V
 C615 1-109-631-00 s MICA 330pF 5% 500V
 C812 1-162-889-11 s CERAMIC 680pF 5% 50V
 C822 1-162-889-11 s CERAMIC 680pF 5% 50V

CN204 1-506-748-11 s DIN 96P

D1 8-719-200-02 s 10E2
 D2 8-719-200-02 s 10E2
 D3 8-719-100-03 s 1S2835
 D101 8-719-100-05 s 1S2837
 D102 8-719-100-05 s 1S2837

D103 8-719-105-28 s RD2.4M-B
 D104 8-719-106-89 s RD15M-B2
 D105 8-719-106-89 s RD15M-B2
 D106 8-719-100-03 s 1S2835
 D201 8-719-100-05 s 1S2837

D202 8-719-100-05 s 1S2837
 D203 8-719-105-28 s RD2.4M-B
 D204 8-719-106-89 s RD15M-B2
 D205 8-719-106-89 s RD15M-B2
 D206 8-719-100-03 s 1S2835

D301 8-719-100-05 s 1S2837
 D302 8-719-100-05 s 1S2837
 D303 8-719-100-05 s 1S2837
 D501 8-719-100-05 s 1S2837
 D502 8-719-100-05 s 1S2837

D503 8-719-100-05 s 1S2837
 D601 8-719-100-05 s 1S2837
 D602 8-719-100-05 s 1S2837
 D603 8-719-100-05 s 1S2837

FL101 1-236-171-11 s LOW-PASS 15kHz

IC1 8-759-708-05 s NJM78L05A (JRC)
 IC2 8-759-700-65 s NJM79L05A (JRC)
 IC101 8-759-700-09 s NJM2043M-D (JRC)
 IC103 8-741-115-20 s BX1152 (SONY)
 8-741-148-90 s SBX1489-01 (SONY)

Ref.No. Parts No. SP Description

IC104 8-759-982-04 s RC5532M (RAYTHEON)
 IC106 8-759-700-09 s NJM2043M-D (JRC)
 IC107 8-759-700-84 s NJM2041M-D (JRC)
 IC201 8-759-700-09 s NJM2043M-D (JRC)
 IC203 8-741-115-20 s BX1152 (SONY)

IC204 8-759-982-04 s RC5532M (RAYTHEON)
 IC206 8-759-700-09 s NJM2043M-D (JRC)
 IC207 8-759-700-84 s NJM2041M-D (JRC)
 IC301 8-759-200-68 s TC4011BF (TOSHIBA)
 IC302 8-759-200-67 s TC4001BF (TOSHIBA)

IC303 8-759-982-04 s RC5532M (RAYTHEON)
 IC304 8-759-982-04 s RC5532M (RAYTHEON)
 IC801 8-759-759-84 s NJM2041M-D (JRC)
 IC811 8-759-759-84 s NJM2041M-D (JRC)
 IC812 8-759-759-84 s NJM2041M-D (JRC)

IC821 8-759-759-84 s NJM2041M-D (JRC)
 IC822 8-759-759-84 s NJM2041M-D (JRC)

L3 1-412-533-11 s MICRO 47
 L501 1-412-533-11 s MICRO 47
 L601 1-412-533-11 s MICRO 47

LV101 1-459-434-00 s VAR 22MMH
 LV102 1-407-299-11 s VAR 5.6MMH
 LV103 1-407-298-00 s VAR 4.5MMH
 LV104 1-407-299-11 s VAR 5.6MMH
 LV201 1-459-434-00 s VAR 22MMH

LV202 1-407-299-11 s VAR 5.6MMH
 LV203 1-407-298-00 s VAR 4.5MMH
 LV204 1-407-299-11 s VAR 5.6MMH

Q1 8-729-216-21 s 2SA1162Y
 Q2 8-729-901-01 s DTC144EK
 Q3 8-729-905-53 s 2SD1055-R
 Q4 8-729-982-23 s 2SB822
 Q101 8-766-001-49 s TX429M

Q102 8-766-001-49 s TX429M
 Q103 8-766-001-49 s TX429M
 Q104 8-729-202-38 s 2SC3326N
 Q105 8-729-216-21 s 2SA1162Y
 Q106 8-729-216-21 s 2SA1162Y

Q107 8-729-202-38 s 2SC3326N
 Q108 8-729-901-06 s DTA144EK
 Q110 8-729-202-38 s 2SC3326N
 Q111 8-729-216-21 s 2SA1162Y
 Q112 8-729-109-42 s 2SK94-X2

Q113 8-729-271-23 s 2SC2712
 Q115 8-729-202-38 s 2SC3326N
 Q116 8-729-202-38 s 2SC3326N
 Q117 8-729-202-38 s 2SC3326N
 Q118 8-729-901-06 s DTA144EK

Q119 8-729-901-01 s DTC144EK
 Q120 8-729-901-06 s DTA144EK
 Q121 8-729-901-01 s DTC144EK
 Q122 8-729-901-06 s DTA144EK
 Q123 8-729-901-01 s DTC144EK

Q124 8-729-271-23 s 2SC2712
 Q125 8-729-804-09 s 2SA1319-T
 Q126 8-729-803-89 s 2SC3332-T
 Q127 8-729-803-89 s 2SC3332-T
 Q201 8-766-001-49 s TX429M

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q202	8-766-001-49	s	TX429M
Q203	8-766-001-49	s	TX429M
Q204	8-729-202-38	s	2SC3326N
Q205	8-729-216-21	s	2SA1162Y
Q206	8-729-216-21	s	2SA1162Y
Q207	8-729-202-38	s	2SC3326N
Q208	8-729-901-06	s	DTA144EK
Q210	8-729-202-38	s	2SC3326N
Q211	8-729-216-21	s	2SA1162Y
Q212	8-729-109-42	s	2SK94-X2
Q213	8-729-271-23	s	2SC2712
Q215	8-729-202-38	s	2SC3326N
Q216	8-729-202-38	s	2SC3326N
Q217	8-729-202-38	s	2SC3326N
Q218	8-729-901-06	s	DTA144EK
Q219	8-729-901-01	s	DTC144EK
Q220	8-729-901-06	s	DTA144EK
Q221	8-729-901-01	s	DTC144EK
Q222	8-729-901-06	s	DTA144EK
Q223	8-729-901-01	s	DTC144EK
Q224	8-729-271-23	s	2SC2712
Q225	8-729-804-09	s	2SA1319-T
Q226	8-729-803-89	s	2SC3332-T
Q227	8-729-803-89	s	2SC3332-T
Q301	8-729-901-06	s	DTA144EK
Q302	8-729-901-01	s	DTC144EK
Q303	8-729-901-06	s	DTA144EK
Q304	8-729-901-01	s	DTC144EK
Q305	8-729-901-06	s	DTA144EK
Q306	8-729-901-01	s	DTC144EK
Q307	8-729-901-06	s	DTA144EK
Q308	8-729-901-01	s	DTC144EK
Q309	8-729-901-06	s	DTA144EK
Q310	8-729-901-06	s	DTA144EK
Q311	8-729-901-06	s	DTA144EK
Q313	8-729-271-23	s	2SC2712
Q314	8-729-271-23	s	2SC2712
Q315	8-729-102-08	s	2SC2223-F14
Q316	8-729-901-06	s	DTA144EK
Q317	8-729-901-01	s	DTC144EK
Q501	8-729-304-92	s	2SB649A
Q502	8-729-271-23	s	2SC2712
Q503	8-729-901-01	s	DTC144EK
Q504	8-729-901-06	s	DTA144EK
Q505	8-729-901-01	s	DTC144EK
Q506	8-729-901-01	s	DTC144EK
Q507	8-729-905-53	s	2SD1055-R
Q508	8-729-905-53	s	2SD1055-R
Q509	8-729-905-53	s	2SD1055-R
Q510	8-729-905-53	s	2SD1055-R
Q511	8-729-600-27	s	2SC643SP
Q601	8-729-304-92	s	2SB649A
Q602	8-729-271-23	s	2SC2712
Q603	8-729-901-01	s	DTC144EK
Q604	8-729-901-06	s	DTA144EK
Q605	8-729-901-01	s	DTC144EK
Q606	8-729-901-01	s	DTC144EK
Q607	8-729-905-53	s	2SD1055-R
Q608	8-729-905-53	s	2SD1055-R
Q609	8-729-905-53	s	2SD1055-R
Q610	8-729-905-53	s	2SD1055-R
Q611	8-729-600-27	s	2SC643SP

Ref.No. Parts No. SP Description

R101	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R102	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
R105	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R159	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R166	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R167	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R168	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
R173	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R188	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R189	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R190	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R195	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R196	1-216-668-11	s	METAL CHIP 5.1k 0.50% 1/10W
R197	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R198	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R201	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R202	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
R205	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R259	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R266	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R267	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R268	1-216-633-11	s	METAL CHIP 180 0.50% 1/10W
R273	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R288	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R289	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R290	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R295	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R296	1-216-668-11	s	METAL CHIP 5.1k 0.50% 1/10W
R297	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R298	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R312	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R313	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R314	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R315	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R317	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R319	1-216-640-11	s	METAL CHIP 360 0.50% 1/10W
R320	1-216-695-11	s	METAL CHIP 68k 0.50% 1/10W
R513	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R514	1-214-816-00	s	METAL FILM 10 1% 1/2W
R516	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R524	1-214-816-00	s	METAL FILM 10 1% 1/2W
R613	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R614	1-214-816-00	s	METAL FILM 10 1% 1/2W
R616	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R624	1-214-816-00	s	METAL FILM 10 1% 1/2W
R813	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R814	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R817	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R819	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R823	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R824	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R827	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R829	1-216-693-11	s	METAL CHIP 56k 0.50% 1/10W
R832	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R834	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R835	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R837	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
R842	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R844	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R845	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R847	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
RV101	1-230-903-11	s	VAR, METAL FILM 200k
RV102	1-237-517-21	s	VAR, CERMET 5k
RV103	1-237-518-21	s	VAR, CERMET 10k
RV104	1-237-518-21	s	VAR, CERMET 10k
RV105	1-237-520-21	s	VAR, CERMET 50k
RV110	1-230-903-11	s	VAR, METAL FILM 200k
RV111	1-237-517-21	s	VAR, CERMET 5k
RV112	1-237-503-21	s	VAR, CERMET 10k
RV115	1-237-520-21	s	VAR, CERMET 50k
RV201	1-230-903-11	s	VAR, METAL FILM 200k
RV202	1-237-517-21	s	VAR, CERMET 5k
RV203	1-237-518-21	s	VAR, CERMET 10k
RV204	1-237-518-21	s	VAR, CERMET 10k
RV205	1-237-520-21	s	VAR, CERMET 50k
RV210	1-230-903-11	s	VAR, METAL FILM 200k
RV211	1-237-517-21	s	VAR, CERMET 5k
RV212	1-237-503-21	s	VAR, CERMET 10k
RV215	1-237-520-21	s	VAR, CERMET 50k
RV301	1-237-519-21	s	VAR, CERMET 20k
RV302	1-237-518-21	s	VAR, CERMET 10k
RV501	1-237-504-21	s	VAR, CERMET 20k
RV502	1-237-498-11	s	VAR, CERMET 200
RV601	1-237-504-21	s	VAR, CERMET 20k
RV602	1-237-498-11	s	VAR, CERMET 200
RV811	1-237-517-21	s	VAR, CERMET 5k
RV821	1-237-517-21	s	VAR, CERMET 5k

S101	1-570-598-11	o	DIP
S102	1-570-598-11	o	DIP
S201	1-570-598-11	o	DIP
S202	1-570-598-11	o	DIP
S301	1-552-509-00	s	DIP

T501	1-433-326-11	s	BIAS OSCILLATION
T601	1-433-326-11	s	BIAS OSCILLATION

BF-28 BOARD

A-6713-273-A o MOUNTED CIRCUIT BOARD, BF-28

C51	1-124-258-00	s	ELECT	3.3	20%	25V
C52	1-124-258-00	s	ELECT	3.3	20%	25V
C53	1-124-258-00	s	ELECT	3.3	20%	25V
C54	1-124-258-00	s	ELECT	3.3	20%	25V
G101	1-124-236-00	s	ELECT	47	20%	10V
G102	1-124-236-00	s	ELECT	47	20%	10V
G201	1-124-236-00	s	ELECT	47	20%	10V
G202	1-124-236-00	s	ELECT	47	20%	10V
C301	1-124-236-00	s	ELECT	47	20%	10V
C302	1-124-236-00	s	ELECT	47	20%	10V
G401	1-124-236-00	s	ELECT	47	20%	10V
C402	1-124-236-00	s	ELECT	47	20%	10V
C501	1-124-462-00	s	ELECT	10	20%	16V
C502	1-124-257-00	s	ELECT	2.2		50V
C503	1-124-257-00	s	ELECT	2.2		50V

C505	1-124-462-00	s	ELECT	10	20%	16V
C506	1-135-100-21	s	TANTAL	6.8	10%	6.3V
C601	1-124-462-00	s	ELECT	10	20%	16V
C602	1-124-257-00	s	ELECT	2.2		50V
C603	1-124-257-00	s	ELECT	2.2		50V
C605	1-124-462-00	s	ELECT	10	20%	16V
C606	1-135-100-21	s	TANTAL	6.8	10%	6.3V
C701	1-124-462-00	s	ELECT	10	20%	16V
C702	1-124-257-00	s	ELECT	2.2		50V
C703	1-124-257-00	s	ELECT	2.2		50V
C705	1-124-462-00	s	ELECT	10	20%	16V
C706	1-135-100-21	s	TANTAL	6.8	10%	6.3V
C801	1-124-462-00	s	ELECT	10	20%	16V
C802	1-124-257-00	s	ELECT	2.2		50V
C803	1-124-257-00	s	ELECT	2.2		50V
C805	1-124-462-00	s	ELECT	10	20%	16V
C806	1-135-100-21	s	TANTAL	6.8	10%	6.3V
C901	1-124-236-00	s	ELECT	47	20%	10V
C902	1-124-236-00	s	ELECT	47	20%	10V
C903	1-124-229-00	s	ELECT	33	20%	6.3V
C904	1-124-229-00	s	ELECT	33	20%	6.3V
C905	1-124-229-00	s	ELECT	33	20%	6.3V
C906	1-124-229-00	s	ELECT	33	20%	6.3V

D51	8-719-100-03	s	1S2835
D52	8-719-100-03	s	1S2835
D53	8-719-100-03	s	1S2835
D54	8-719-100-03	s	1S2835
D55	8-719-100-03	s	1S2835

D56	8-719-100-03	s	1S2835
D501	8-719-101-23	s	1S8123
D502	8-719-101-23	s	1S8123
D503	8-719-100-05	s	1S2837
D505	8-719-101-23	s	1S8123

D506	8-719-101-23	s	1S8123
D601	8-719-101-23	s	1S8123
D602	8-719-101-23	s	1S8123
D603	8-719-100-05	s	1S2837
D605	8-719-101-23	s	1S8123

D606	8-719-101-23	s	1S8123
D701	8-719-101-23	s	1S8123
D702	8-719-101-23	s	1S8123
D703	8-719-100-05	s	1S2837
D705	8-719-101-23	s	1S8123

D706	8-719-101-23	s	1S8123
D801	8-719-101-23	s	1S8123
D802	8-719-101-23	s	1S8123
D803	8-719-100-05	s	1S2837
D805	8-719-101-23	s	1S8123

D806	8-719-101-23	s	1S8123
D901	8-719-100-03	s	1S2835
D902	8-719-101-23	s	1S8123

IC1	8-759-208-14	s	TC4066BPHB (TOSHIBA)
IC51	8-759-700-07	s	NJM2903M (JRC)
IC52	8-759-700-07	s	NJM2903M (JRC)
IC53	8-759-700-07	s	NJM2903M (JRC)
IC54	8-759-700-07	s	NJM2903M (JRC)

IC101	8-759-700-84	s	NJM2041M-D (JRC)
IC201	8-759-700-84	s	NJM2041M-D (JRC)
IC301	8-759-700-84	s	NJM2041M-D (JRC)
IC401	8-759-700-84	s	NJM2041M-D (JRC)
IC501	8-759-981-54	s	RC2041MD (RAYTHEON)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
IC502	8-759-981-54	s	RC2041MD (RAYTHEON)
IC503	8-759-745-64	s	NJM4560M (JRC)
IC601	8-759-981-54	s	RC2041MD (RAYTHEON)
IC602	8-759-981-54	s	RC2041MD (RAYTHEON)
IC701	8-759-981-54	s	RC2041MD (RAYTHEON)
IC702	8-759-981-54	s	RC2041MD (RAYTHEON)
IC703	8-759-745-64	s	NJM4560M (JRC)
IC801	8-759-981-54	s	RC2041MD (RAYTHEON)
IC802	8-759-981-54	s	RC2041MD (RAYTHEON)
IC901	8-759-201-00	s	TC4052BF (TOSHIBA)
IC902	8-759-700-84	s	NJM2041M-D (JRC)
IC903	8-759-207-74	s	TC4030BFHB (TOSHIBA)
IC904	8-759-745-64	s	NJM4560M (JRC)
Q1	8-729-901-06	s	DTA144Ek
Q2	8-729-901-01	s	DTC144Ek
Q51	8-729-901-06	s	DTA144Ek
Q52	8-729-901-01	s	DTC144Ek
Q53	8-729-901-06	s	DTA144Ek
Q54	8-729-901-01	s	DTC144Ek
Q55	8-729-901-06	s	DTA144Ek
Q56	8-729-901-01	s	DTC144Ek
Q57	8-729-901-01	s	DTC144Ek
Q58	8-729-202-38	s	2SC3326N
Q501	8-729-202-38	s	2SC3326N
Q601	8-729-202-38	s	2SC3326N
Q701	8-729-202-38	s	2SC3326N
Q801	8-729-202-38	s	2SC3326N
Q901	8-729-905-53	s	2SD1055-R
Q902	8-729-982-23	s	2SB822
Q903	8-729-801-46	s	2SC3064F
R51	1-216-696-11	s	METAL CHIP 75k 0.50% 1/10W
R56	1-216-696-11	s	METAL CHIP 75k 0.50% 1/10W
R78	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R79	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R101	1-216-070-00	s	CHIP 7.5k 5% 1/10W
R201	1-216-070-00	s	CHIP 7.5k 5% 1/10W
R301	1-216-070-00	s	CHIP 7.5k 5% 1/10W
R401	1-216-070-00	s	CHIP 7.5k 5% 1/10W
R503	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R504	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R505	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R506	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R507	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R509	1-216-693-11	s	METAL CHIP 56k 0.50% 1/10W
R510	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
R512	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R513	1-216-689-11	s	METAL CHIP 39k 0.50% 1/10W
R516	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R521	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R522	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R603	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R604	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R605	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R606	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R607	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R609	1-216-693-11	s	METAL CHIP 56k 0.50% 1/10W
R610	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
R612	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R613	1-216-689-11	s	METAL CHIP 39k 0.50% 1/10W
R616	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W

Ref.No.	Parts No.	SP	Description
R621	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R622	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R703	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R704	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R705	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R706	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R707	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R709	1-216-693-11	s	METAL CHIP 56k 0.50% 1/10W
R710	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
R712	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R713	1-216-689-11	s	METAL CHIP 39k 0.50% 1/10W
R716	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R721	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R722	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R803	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R804	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R805	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R806	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R807	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R809	1-216-693-11	s	METAL CHIP 56k 0.50% 1/10W
R810	1-216-748-11	s	METAL CHIP 39k 5% 1/10W
R812	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R813	1-216-689-11	s	METAL CHIP 39k 0.50% 1/10W
R816	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R821	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R822	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R921	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R922	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R923	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R924	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R925	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
RV101	1-237-502-21	s	VAR, CERMET 5k
RV102	1-237-502-21	s	VAR, CERMET 5k
RV201	1-237-502-21	s	VAR, CERMET 5k
RV202	1-237-502-21	s	VAR, CERMET 5k
RV301	1-237-502-21	s	VAR, CERMET 5k
RV302	1-237-502-21	s	VAR, CERMET 5k
RV401	1-237-502-21	s	VAR, CERMET 5k
RV402	1-237-502-21	s	VAR, CERMET 5k
RV501	1-237-518-21	s	VAR, CERMET 10k
RV601	1-237-518-21	s	VAR, CERMET 10k
RV701	1-237-518-21	s	VAR, CERMET 10k
RV801	1-237-518-21	s	VAR, CERMET 10k
RV901	1-237-519-21	s	VAR, CERMET 20k
RV902	1-237-517-21	s	VAR, CERMET 5k
RV903	1-237-518-21	s	VAR, CERMET 10k

CCM-2 BOARD

1-623-198-11 o PRINTED CIRCUIT BOARD, CCM-2

M008 1-541-376-11 s MOTOR, DC (DNR-4700A)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

CF-36, CL-14/24, CP-101

Ref.No. Parts No. SP Description

CF-36 BOARD

All the component parts on the CF-36 board are supplied together when you order the DEC-42 board.

1-625-948-11 o PRINTED CIRCUIT BOARD, CF-36

C659	1-126-154-11	s	ELECT	47	20%	6.3V
C680	1-162-881-11	s	CERAMIC	150pF	5%	50V
C681	1-162-877-11	s	CERAMIC	82pF	5%	50V
C739	1-135-159-21	s	TANTAL	10	10%	10V
C741	1-135-159-21	s	TANTAL	10	10%	10V
C742	1-135-159-21	s	TANTAL	10	10%	10V
C744	1-135-159-21	s	TANTAL	10	10%	10V
C745	1-135-159-21	s	TANTAL	10	10%	10V

CN501	1-563-889-11	o	SOCKET 14P
CN502	1-565-061-11	o	SOCKET 16P

D507	8-719-100-03	s	1S2835
D550	8-719-911-19	s	1S1119
D551	8-719-911-19	s	1S1119

DL500	1-415-538-11	s	ACTIVE 100ns
DL501	1-415-541-11	s	ACTIVE 100ns

FB506 1-535-178-00 s FERRITE BEAD

FL500 1-236-139-11 s LOW-PASS

IC516	8-759-907-81	s	SN74LS221NS (TI)
IC517	8-759-907-81	s	SN74LS221NS (TI)
IC518	8-759-907-81	s	SN74LS221NS (TI)
IC519	8-759-208-11	s	TC4053BFHB (TOSHIBA)
IC522	8-759-907-81	s	SN74LS221NS (TI)
IC523	8-759-930-57	s	SN74LS164NS (TI)
IC527	8-759-205-06	s	TC74HC74F (TOSHIBA)
IC528	8-759-907-81	s	SN74LS221NS (TI)
IC529	8-759-205-06	s	TC74HC74F (TOSHIBA)
IC530	8-759-941-27	s	MB4002PF (FUJITSU)

IC531	8-759-941-27	s	MB4002PF (FUJITSU)
IC549	8-759-204-94	s	TC74HC00F (TOSHIBA)
IC550	8-759-204-98	s	TC74HC08F (TOSHIBA)
IC551	8-759-205-06	s	TC74HC74F (TOSHIBA)
IC552	8-759-204-94	s	TC74HC00F (TOSHIBA)

L712	1-410-482-31	s	MICRO 100
L713	1-410-482-31	s	MICRO 100
L714	1-410-482-31	s	MICRO 100
L715	1-410-482-31	s	MICRO 100

Q514	8-729-202-38	s	2SC3326N
Q515	8-729-271-23	s	2SC2712
Q516	8-729-271-23	s	2SC2712
Q517	8-729-271-23	s	2SC2712

Ref.No. Parts No. SP Description

R633	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R638	1-216-680-11	s	METAL CHIP 16k 0.50% 1/10W
R640	1-216-680-11	s	METAL CHIP 16k 0.50% 1/10W
R646	1-216-666-11	s	METAL CHIP 4.3k 0.50% 1/10W
R647	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W

R660	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R663	1-216-653-11	s	METAL CHIP 1.2k 0.50% 1/10W
R668	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R673	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R675	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W

R678	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R683	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
R684	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
R690	1-216-694-11	s	METAL CHIP 62k 0.50% 1/10W

RV506	1-230-522-11	s	VAR, METAL GLAZE 4.7k
RV507	1-230-522-11	s	VAR, METAL GLAZE 4.7k
RV508	1-230-521-11	s	VAR, METAL GLAZE 2.2k
RV509	1-230-522-11	s	VAR, METAL GLAZE 4.7k
RV510	1-230-522-11	s	VAR, METAL GLAZE 4.7k

CL-14 BOARD

1-622-602-11 o PRINTED CIRCUIT BOARD, CL-14

CN332 1-563-969-11 o 7P

CL-24 BOARD

A-6759-499-A o MOUNTED CIRCUIT BOARD, CL-24

D1	8-719-820-27	s	TLY256
D2	8-719-820-27	s	TLY256
D3	8-719-820-27	s	TLY256
D4	8-719-820-27	s	TLY256
D5	8-719-820-27	s	TLY256
D6	8-719-820-27	s	TLY256

R1	1-247-702-11	s	CARBON 150 5% 1/4W
R2	1-247-702-11	s	CARBON 150 5% 1/4W
R3	1-247-702-11	s	CARBON 150 5% 1/4W

CP-101 BOARD

A-6729-470-A o MOUNTED CIRCUIT BOARD, CP-101

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
C1	1-124-584-00	s	ELECT 100 20% 10V
C4	1-124-584-00	s	ELECT 100 20% 10V
C8	1-124-584-00	s	ELECT 100 20% 10V
C10	1-124-584-00	s	ELECT 100 20% 10V
C52	1-124-584-00	s	ELECT 100 20% 10V
C54	1-124-584-00	s	ELECT 100 20% 10V
C104	1-124-141-00	s	ELECT 330 20% 10V
C107	1-124-236-00	s	ELECT 47 20% 10V
C204	1-124-141-00	s	ELECT 330 20% 10V
C207	1-124-236-00	s	ELECT 47 20% 10V
C304	1-124-141-00	s	ELECT 330 20% 10V
C307	1-124-236-00	s	ELECT 47 20% 10V
C404	1-124-141-00	s	ELECT 330 20% 10V
C407	1-124-236-00	s	ELECT 47 20% 10V
C421	1-126-103-11	s	ELECT 470 20% 16V
C422	1-126-103-11	s	ELECT 470 20% 16V
C423	1-126-103-11	s	ELECT 470 20% 16V
C424	1-126-103-11	s	ELECT 470 20% 16V
C427	1-102-106-00	s	CERAMIC 100pF 10% 50V
C428	1-102-106-00	s	CERAMIC 100pF 10% 50V

D101	8-719-910-95	s	HZ9A2L
D102	8-719-910-95	s	HZ9A2L
D103	8-719-910-95	s	HZ9A2L
D104	8-719-910-95	s	HZ9A2L
D201	8-719-910-95	s	HZ9A2L
D202	8-719-910-95	s	HZ9A2L
D203	8-719-910-95	s	HZ9A2L
D204	8-719-910-95	s	HZ9A2L
D301	8-719-910-95	s	HZ9A2L
D302	8-719-910-95	s	HZ9A2L
D303	8-719-910-95	s	HZ9A2L
D304	8-719-910-95	s	HZ9A2L
D401	8-719-910-95	s	HZ9A2L
D402	8-719-910-95	s	HZ9A2L
D403	8-719-910-95	s	HZ9A2L
D404	8-719-910-95	s	HZ9A2L

FB1	1-535-178-00	s	FERRITE BEAD
FB2	1-535-178-00	s	FERRITE BEAD
FB3	1-535-178-00	s	FERRITE BEAD
FB4	1-535-178-00	s	FERRITE BEAD
FB5	1-535-178-00	s	FERRITE BEAD
FB6	1-535-178-00	s	FERRITE BEAD

IC1	8-752-015-81	s	CX20158 (SONY)
IC2	8-752-015-81	s	CX20158 (SONY)
IC101	8-759-900-72	s	NE5532P (SEGNETICS)
IC102	8-759-900-72	s	NE5532P (SEGNETICS)
IC201	8-759-900-72	s	NE5532P (SEGNETICS)

IC301	8-759-900-72	s	NE5532P (SEGNETICS)
IC302	8-759-900-72	s	NE5532P (SEGNETICS)
IC401	8-759-900-72	s	NE5532P (SEGNETICS)

L1	1-410-482-31	s	MICRO 100
L2	1-410-482-31	s	MICRO 100

Q401	8-729-905-53	s	2SD1055-R
Q402	8-729-982-23	s	2SB822

Ref.No.	Parts No.	SP	Description
R422	1-247-745-11	s	CARBON 330 5% 1/2W
R423	1-247-745-11	s	CARBON 330 5% 1/2W

S1	1-570-157-21	s	SLIDE
S2	1-570-157-21	s	SLIDE
S3	1-554-958-11	s	SLIDE (PC BOARD)
S4	1-554-377-00	s	SLIDE
S101	1-554-958-11	s	SLIDE (PC BOARD)

S102	1-571-062-11	s	SLIDE
S201	1-554-958-11	s	SLIDE (PC BOARD)
S202	1-571-062-11	s	SLIDE
S301	1-554-958-11	s	SLIDE (PC BOARD)
S302	1-571-062-11	s	SLIDE

S401	1-554-958-11	s	SLIDE (PC BOARD)
S402	1-571-062-11	s	SLIDE

CP-103 BOARD

A-6717-445-A o MOUNTED CIRCUIT BOARD, CP-103

C1	1-124-234-00	s	ELECT 22 20% 16V
C3	1-124-234-00	s	ELECT 22 20% 16V

CN501 1-559-264-11 o WIRE ASS'Y, FLAT TYPE(30 CORE)

IC1 8-759-009-07 s MC14053BF (MOTOROLA)

L1	1-410-470-31	s	MICRO 10
L2	1-410-470-31	s	MICRO 10

Q1 8-729-901-05 s DTA124EK

RV1	1-237-696-11	s	VAR, CARBON 5k
RV2	1-237-696-11	s	VAR, CARBON 5k
RV3	1-237-696-11	s	VAR, CARBON 5k
RV4	1-237-695-11	s	VAR, CARBON 5k
RV5	1-237-696-11	s	VAR, CARBON 5k

RV6	1-237-696-11	s	VAR, CARBON 5k
RV7	1-237-695-11	s	VAR, CARBON 5k
RV8	1-237-696-11	s	VAR, CARBON 5k

S1	1-570-157-51	s	SLIDE
S2	1-570-157-51	s	SLIDE
S3	1-570-157-51	s	SLIDE
S4	1-570-157-51	s	SLIDE
S5	1-570-157-51	s	SLIDE

S6	1-571-061-11	s	SLIDE
S7	1-570-157-51	s	SLIDE
S8	1-570-157-51	s	SLIDE
S9	1-570-157-51	s	SLIDE
S10	1-570-157-51	s	SLIDE

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

S11 1-570-157-51 s SLIDE
 S12 1-570-157-51 s SLIDE
 S15 1-554-949-11 s SLIDE

CP-111 BOARD

This board includes the CP-113 board.

A-6713-274-A o MOUNTED CIRCUIT BOARD, CP-111

1-560-733-00 s PIN, SHORT
 1-561-832-00 s SOCKET, SHORT

C20- 1-136-153-00 s MYLAR 0.01 10% 50V
 C21 1-126-157-11 s ELECT 10 20% 16V
 C36 1-124-462-00 s ELECT 10 20% 16V
 C42 1-124-236-00 s ELECT 47 20% 10V
 C43 1-124-236-00 s ELECT 47 20% 10V

 C51 1-124-462-00 s ELECT 10 20% 16V
 C52 1-124-462-00 s ELECT 10 20% 16V
 C53 1-124-462-00 s ELECT 10 20% 16V
 C54 1-124-462-00 s ELECT 10 20% 16V
 C158 1-124-462-00 s ELECT 10 20% 16V

 C159 1-124-462-00 s ELECT 10 20% 16V
 C160 1-124-462-00 s ELECT 10 20% 16V
 C161 1-124-462-00 s ELECT 10 20% 16V
 C162 1-126-103-11 s ELECT 470 20% 16V
 C163 1-126-103-11 s ELECT 470 20% 16V

 C258 1-124-462-00 s ELECT 10 20% 16V
 C259 1-124-462-00 s ELECT 10 20% 16V
 C260 1-124-462-00 s ELECT 10 20% 16V
 C261 1-124-462-00 s ELECT 10 20% 16V
 C262 1-126-103-11 s ELECT 470 20% 16V

 C263 1-126-103-11 s ELECT 470 20% 16V
 C264 1-126-103-11 s ELECT 470 20% 16V
 C265 1-126-103-11 s ELECT 470 20% 16V
 C266 1-102-106-00 s CERAMIC 100pF 10% 50V
 C267 1-126-103-11 s ELECT 470 20% 16V

 C268 1-136-161-00 s MYLAR 0.047 10% 50V
 C269 1-126-103-11 s ELECT 470 20% 16V
 C270 1-136-161-00 s MYLAR 0.047 10% 50V
 C271 1-102-106-00 s CERAMIC 100pF 10% 50V
 C273 1-124-462-00 s ELECT 10 20% 16V

 C358 1-124-462-00 s ELECT 10 20% 16V
 C359 1-124-462-00 s ELECT 10 20% 16V
 C360 1-124-462-00 s ELECT 10 20% 16V
 C361 1-124-462-00 s ELECT 10 20% 16V
 C362 1-126-103-11 s ELECT 470 20% 16V

 C363 1-126-103-11 s ELECT 470 20% 16V
 C458 1-124-462-00 s ELECT 10 20% 16V
 C459 1-124-462-00 s ELECT 10 20% 16V
 C460 1-124-462-00 s ELECT 10 20% 16V
 C461 1-124-462-00 s ELECT 10 20% 16V

 C462 1-126-103-11 s ELECT 470 20% 16V
 C463 1-126-103-11 s ELECT 470 20% 16V
 C464 1-126-103-11 s ELECT 470 20% 16V
 C465 1-126-103-11 s ELECT 470 20% 16V
 C466 1-102-106-00 s CERAMIC 100pF 10% 50V

Ref.No. Parts No. SP Description

C467 1-126-103-11 s ELECT 470 20% 16V
 C468 1-136-161-00 s MYLAR 0.047 10% 50V
 C469 1-126-103-11 s ELECT 470 20% 16V
 C470 1-136-161-00 s MYLAR 0.047 10% 50V
 C471 1-102-106-00 s CERAMIC 100pF 10% 50V

 C558 1-124-462-00 s ELECT 10 20% 16V
 C559 1-124-462-00 s ELECT 10 20% 16V
 C560 1-124-462-00 s ELECT 10 20% 16V
 C561 1-124-462-00 s ELECT 10 20% 16V
 C562 1-126-103-11 s ELECT 470 20% 16V

 C563 1-126-103-11 s ELECT 470 20% 16V
 C658 1-124-462-00 s ELECT 10 20% 16V
 C659 1-124-462-00 s ELECT 10 20% 16V
 C660 1-124-462-00 s ELECT 10 20% 16V
 C661 1-124-462-00 s ELECT 10 20% 16V

 C662 1-126-103-11 s ELECT 470 20% 16V
 C663 1-126-103-11 s ELECT 470 20% 16V
 C664 1-126-103-11 s ELECT 470 20% 16V
 C665 1-126-103-11 s ELECT 470 20% 16V
 C666 1-102-106-00 s CERAMIC 100pF 10% 50V

 C667 1-126-103-11 s ELECT 470 20% 16V
 C668 1-136-161-00 s MYLAR 0.047 10% 50V
 C669 1-126-103-11 s ELECT 470 20% 16V
 C670 1-136-161-00 s MYLAR 0.047 10% 50V
 C671 1-102-106-00 s CERAMIC 100pF 10% 50V

 D1 8-719-100-43 s RD7.5
 D2 8-719-100-43 s RD7.5
 D3 8-719-100-43 s RD7.5
 D151 8-719-921-11 s HZ2ALL
 D152 8-719-911-19 s 1SS119

 D153 8-719-911-19 s 1SS119
 D154 8-719-921-11 s HZ2ALL
 D155 8-719-921-11 s HZ2ALL
 D156 8-719-911-19 s 1SS119
 D157 8-719-911-19 s 1SS119

 D158 8-719-921-11 s HZ2ALL
 D251 8-719-921-11 s HZ2ALL
 D252 8-719-911-19 s 1SS119
 D253 8-719-911-19 s 1SS119
 D254 8-719-921-11 s HZ2ALL

 D255 8-719-921-11 s HZ2ALL
 D256 8-719-911-19 s 1SS119
 D257 8-719-911-19 s 1SS119
 D258 8-719-921-11 s HZ2ALL
 D259 8-719-200-02 s 10E2

 D260 8-719-200-02 s 10E2
 D351 8-719-921-11 s HZ2ALL
 D352 8-719-911-19 s 1SS119
 D353 8-719-911-19 s 1SS119
 D354 8-719-921-11 s HZ2ALL

 D355 8-719-921-11 s HZ2ALL
 D356 8-719-911-19 s 1SS119
 D357 8-719-911-19 s 1SS119
 D358 8-719-921-11 s HZ2ALL
 D451 8-719-921-11 s HZ2ALL

 D452 8-719-911-19 s 1SS119
 D453 8-719-911-19 s 1SS119
 D454 8-719-921-11 s HZ2ALL
 D455 8-719-921-11 s HZ2ALL
 D456 8-719-911-19 s 1SS119

Parts that are not listed in the "reference number order list"
 are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D457 8-719-911-19 s 1SS119
D458 8-719-921-11 s HZ2ALL
D551 8-719-921-11 s HZ2ALL
D552 8-719-911-19 s 1SS119
D553 8-719-911-19 s 1SS119

D554 8-719-921-11 s HZ2ALL
D555 8-719-921-11 s HZ2ALL
D556 8-719-911-19 s 1SS119
D557 8-719-911-19 s 1SS119
D558 8-719-921-11 s HZ2ALL

D651 8-719-921-11 s HZ2ALL
D652 8-719-911-19 s 1SS119
D653 8-719-911-19 s 1SS119
D654 8-719-921-11 s HZ2ALL
D655 8-719-921-11 s HZ2ALL

D656 8-719-911-19 s 1SS119
D657 8-719-911-19 s 1SS119
D658 8-719-921-11 s HZ2ALL

IC31 8-759-745-61 s NJM4560D-D (JRC)
IC32 8-759-208-12 s TC4016BPHB (TOSHIBA)
IC33 8-759-745-61 s NJM4560D-D (JRC)
IC34 8-759-745-61 s NJM4560D-D (JRC)
IC35 8-759-745-61 s NJM4560D-D (JRC)

IC36 8-759-208-12 s TC4016BPHB (TOSHIBA)
IC37 8-759-700-04 s NJM2043D-D (JRC)
IC38 8-759-208-12 s TC4016BPHB (TOSHIBA)
IC39 8-759-700-04 s NJM2043D-D (JRC)
IC40 8-759-700-04 s NJM2043D-D (JRC)

IC41 8-759-982-21 s RC78L05A (RAYTHEON)
IC42 8-759-208-12 s TC4016BPHB (TOSHIBA)

Q31 8-729-900-30 s DTA144EF
Q32 8-729-201-05 s 2SC2878-B
Q33 8-729-900-30 s DTA144EF
Q34 8-766-001-49 s TX429M
Q35 8-729-900-33 s DTC144EF

Q36 8-729-900-33 s DTC144EF
Q37 8-729-900-30 s DTA144EF
Q38 8-729-900-33 s DTC144EF
Q155 8-729-306-92 s 2SD669A-C
Q156 8-729-304-92 s 2SB649A

Q157 8-729-306-92 s 2SD669A-C
Q158 8-729-304-92 s 2SB649A
Q255 8-729-306-92 s 2SD669A-C
Q256 8-729-304-92 s 2SB649A
Q257 8-729-306-92 s 2SD669A-C

Q258 8-729-304-92 s 2SB649A
Q259 8-729-905-53 s 2SD1055-R
Q260 8-729-982-23 s 2SB822
Q261 8-729-177-54 s 2SA1175
Q355 8-729-306-92 s 2SD669A-C

Q356 8-729-304-92 s 2SB649A
Q357 8-729-306-92 s 2SD669A-C
Q358 8-729-304-92 s 2SB649A
Q455 8-729-306-92 s 2SD669A-C
Q456 8-729-304-92 s 2SB649A

Q457 8-729-306-92 s 2SD669A-C
Q458 8-729-304-92 s 2SB649A
Q459 8-729-905-53 s 2SD1055-R
Q460 8-729-982-23 s 2SB822
Q555 8-729-306-92 s 2SD669A-C

Ref.No. Parts No. SP Description

Q556 8-729-304-92 s 2SB649A
Q557 8-729-306-92 s 2SD669A-C
Q558 8-729-304-92 s 2SB649A
Q655 8-729-306-92 s 2SD669A-C
Q656 8-729-304-92 s 2SB649A

Q657 8-729-306-92 s 2SD669A-C
Q658 8-729-304-92 s 2SB649A
Q659 8-729-905-53 s 2SD1055-R
Q660 8-729-982-23 s 2SB822

R39 1-247-887-00 s CARBON 220k 5% 1/4W
R40 1-247-887-00 s CARBON 220k 5% 1/4W
R41 1-247-887-00 s CARBON 220k 5% 1/4W
R42 1-247-887-00 s CARBON 220k 5% 1/4W
R43 1-247-887-00 s CARBON 220k 5% 1/4W

R44 1-247-887-00 s CARBON 220k 5% 1/4W
R48 1-247-887-00 s CARBON 220k 5% 1/4W
R49 1-247-887-00 s CARBON 220k 5% 1/4W
R53 1-247-887-00 s CARBON 220k 5% 1/4W
R54 1-247-887-00 s CARBON 220k 5% 1/4W

R55 1-247-887-00 s CARBON 220k 5% 1/4W
R57 1-247-887-00 s CARBON 220k 5% 1/4W
R58 1-247-887-00 s CARBON 220k 5% 1/4W
R68 1-247-887-00 s CARBON 220k 5% 1/4W
R173 1-247-731-11 s CARBON 22 5% 1/2W

R174 1-247-731-11 s CARBON 22 5% 1/2W
R175 1-247-731-11 s CARBON 22 5% 1/2W
R176 1-247-731-11 s CARBON 22 5% 1/2W
R177 1-249-455-11 s CARBON 4.7 5% 1/4W
R179 1-249-455-11 s CARBON 4.7 5% 1/4W

R273 1-247-731-11 s CARBON 22 5% 1/2W
R274 1-247-731-11 s CARBON 22 5% 1/2W
R275 1-247-731-11 s CARBON 22 5% 1/2W
R276 1-247-731-11 s CARBON 22 5% 1/2W
R277 1-249-455-11 s CARBON 4.7 5% 1/4W

R279 1-249-455-11 s CARBON 4.7 5% 1/4W
R284 1-247-745-11 s CARBON 330 5% 1/2W
R285 1-247-745-11 s CARBON 330 5% 1/2W
R373 1-247-731-11 s CARBON 22 5% 1/2W
R374 1-247-731-11 s CARBON 22 5% 1/2W

R375 1-247-731-11 s CARBON 22 5% 1/2W
R376 1-247-731-11 s CARBON 22 5% 1/2W
R377 1-249-455-11 s CARBON 4.7 5% 1/4W
R379 1-249-455-11 s CARBON 4.7 5% 1/4W
R473 1-247-731-11 s CARBON 22 5% 1/2W

R474 1-247-731-11 s CARBON 22 5% 1/2W
R475 1-247-731-11 s CARBON 22 5% 1/2W
R476 1-247-731-11 s CARBON 22 5% 1/2W
R477 1-249-455-11 s CARBON 4.7 5% 1/4W
R479 1-249-455-11 s CARBON 4.7 5% 1/4W

R484 1-247-745-11 s CARBON 330 5% 1/2W
R485 1-247-745-11 s CARBON 330 5% 1/2W
R573 1-247-731-11 s CARBON 22 5% 1/2W
R574 1-247-731-11 s CARBON 22 5% 1/2W
R575 1-247-731-11 s CARBON 22 5% 1/2W

R576 1-247-731-11 s CARBON 22 5% 1/2W
R577 1-249-455-11 s CARBON 4.7 5% 1/4W
R579 1-249-455-11 s CARBON 4.7 5% 1/4W
R673 1-247-731-11 s CARBON 22 5% 1/2W
R674 1-247-731-11 s CARBON 22 5% 1/2W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

R675 1-247-731-11 s CARBON 22 5% 1/2W
 R676 1-247-731-11 s CARBON 22 5% 1/2W
 R677 1-249-455-11 s CARBON 4.7 5% 1/4W
 R679 1-249-455-11 s CARBON 4.7 5% 1/4W
 R684 1-247-745-11 s CARBON 330 5% 1/2W

R685 1-247-745-11 s CARBON 330 5% 1/2W

RV151 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV251 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV351 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV451 1-230-522-11 s VAR, METAL GLAZE 4.7k
 RV551 1-230-522-11 s VAR, METAL GLAZE 4.7k

RV651 1-230-522-11 s VAR, METAL GLAZE 4.7k

CP-113 BOARD

All the component parts on the CP-113 board are supplied together when you order the CP-111 board.

1-622-572-11 o PRINTED CIRCUIT BOARD, CP-113

CN1 1-566-099-11 o BOARD TO BOARD 15P

D51 8-719-101-23 s 1SS123
 D53 8-719-101-23 s 1SS123

IC51 8-759-745-64 s NJM4560M (JRC)

Q51 8-729-202-38 s 2SC3326N
 Q52 8-729-202-38 s 2SC3326N
 Q53 8-729-202-38 s 2SC3326N
 Q54 8-729-202-38 s 2SC3326N

R54 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R56 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R57 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R58 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R60 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

R62 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R81 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R82 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

Ref.No. Parts No. SP Description

CP-161A BOARD

A-6713-420-A o MOUNTED CIRCUIT BOARD, CP-161A

C1 1-126-103-11 s ELECT 470 20% 16V
 C101 1-126-396-11 s ELECT CHIP 47 20% 16V
 C106 1-126-394-11 s ELECT CHIP 10 20% 16V
 C107 1-126-394-11 s ELECT CHIP 10 20% 16V
 C108 1-126-394-11 s ELECT CHIP 10 20% 16V

C109 1-126-394-11 s ELECT CHIP 10 20% 16V
 C110 1-126-103-11 s ELECT 470 20% 16V
 C111 1-126-103-11 s ELECT 470 20% 16V
 C201 1-126-396-11 s ELECT CHIP 47 20% 16V
 C206 1-126-394-11 s ELECT CHIP 10 20% 16V

C207 1-126-394-11 s ELECT CHIP 10 20% 16V
 C208 1-126-394-11 s ELECT CHIP 10 20% 16V
 C209 1-126-394-11 s ELECT CHIP 10 20% 16V
 C210 1-126-103-11 s ELECT 470 20% 16V
 C211 1-126-103-11 s ELECT 470 20% 16V

C301 1-126-396-11 s ELECT CHIP 47 20% 16V
 C306 1-126-394-11 s ELECT CHIP 10 20% 16V
 C307 1-126-394-11 s ELECT CHIP 10 20% 16V
 C308 1-126-394-11 s ELECT CHIP 10 20% 16V
 C309 1-126-394-11 s ELECT CHIP 10 20% 16V

C310 1-126-103-11 s ELECT 470 20% 16V
 C311 1-126-103-11 s ELECT 470 20% 16V
 C401 1-126-396-11 s ELECT CHIP 47 20% 16V
 C406 1-126-394-11 s ELECT CHIP 10 20% 16V
 C407 1-126-394-11 s ELECT CHIP 10 20% 16V

C408 1-126-394-11 s ELECT CHIP 10 20% 16V
 C409 1-126-394-11 s ELECT CHIP 10 20% 16V
 C410 1-126-103-11 s ELECT 470 20% 16V
 C411 1-126-103-11 s ELECT 470 20% 16V
 C501 1-126-396-11 s ELECT CHIP 47 20% 16V

C506 1-126-394-11 s ELECT CHIP 10 20% 16V
 C507 1-126-394-11 s ELECT CHIP 10 20% 16V
 C508 1-126-394-11 s ELECT CHIP 10 20% 16V
 C509 1-126-394-11 s ELECT CHIP 10 20% 16V
 C510 1-126-103-11 s ELECT 470 20% 16V

C511 1-126-103-11 s ELECT 470 20% 16V
 C601 1-126-396-11 s ELECT CHIP 47 20% 16V
 C606 1-126-394-11 s ELECT CHIP 10 20% 16V
 C607 1-126-394-11 s ELECT CHIP 10 20% 16V
 C608 1-126-394-11 s ELECT CHIP 10 20% 16V

C609 1-126-394-11 s ELECT CHIP 10 20% 16V
 C610 1-126-103-11 s ELECT 470 20% 16V
 C611 1-126-103-11 s ELECT 470 20% 16V
 C701 1-126-396-11 s ELECT CHIP 47 20% 16V
 C702 1-126-396-11 s ELECT CHIP 47 20% 16V

C706 1-124-234-00 s ELECT 22 20% 16V
 C708 1-124-234-00 s ELECT 22 20% 16V
 C711 1-126-103-11 s ELECT 470 20% 16V
 C712 1-126-103-11 s ELECT 470 20% 16V
 C716 1-126-096-11 s ELECT 10 20% 35V

C801 1-126-103-11 s ELECT 470 20% 16V
 C802 1-126-103-11 s ELECT 470 20% 16V
 C804 1-126-103-11 s ELECT 470 20% 16V
 C806 1-126-103-11 s ELECT 470 20% 16V
 C809 1-126-103-11 s ELECT 470 20% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C810 1-126-103-11 s ELECT 470 20% 16V
C813 1-126-103-11 s ELECT 470 20% 16V
C814 1-126-103-11 s ELECT 470 20% 16V
C817 1-126-103-11 s ELECT 470 20% 16V
C818 1-126-103-11 s ELECT 470 20% 16V

C821 1-126-103-11 s ELECT 470 20% 16V
C822 1-126-103-11 s ELECT 470 20% 16V

CN407 1-506-470-11 s 5P, MALE
CN408 1-506-473-11 s 8P, MALE
CN409 1-506-469-11 s 4P, MALE
CN410 1-506-471-11 s 6P, MALE
CN411 1-506-469-11 s 4P, MALE

CN412 1-506-471-11 s 6P, MALE
CN413 1-506-468-11 s 3P, MALE
CN414 1-506-469-11 s 4P, MALE
CN415 1-506-470-11 s 5P, MALE

D1 8-719-200-02 s 10E2
D2 8-719-200-02 s 10E2
D101 8-719-800-76 s 1SS226
D102 8-719-800-76 s 1SS226
D103 8-719-800-76 s 1SS226

D104 8-719-800-76 s 1SS226
D105 8-719-104-34 s 1S2835
D106 8-719-104-34 s 1S2835
D107 8-719-104-34 s 1S2835
D108 8-719-104-34 s 1S2835

D201 8-719-800-76 s 1SS226
D202 8-719-800-76 s 1SS226
D203 8-719-800-76 s 1SS226
D204 8-719-800-76 s 1SS226
D205 8-719-104-34 s 1S2835

D206 8-719-104-34 s 1S2835
D207 8-719-104-34 s 1S2835
D208 8-719-104-34 s 1S2835
D301 8-719-800-76 s 1SS226
D302 8-719-800-76 s 1SS226

D303 8-719-800-76 s 1SS226
D304 8-719-800-76 s 1SS226
D305 8-719-104-34 s 1S2835
D306 8-719-104-34 s 1S2835
D307 8-719-104-34 s 1S2835

D308 8-719-104-34 s 1S2835
D401 8-719-800-76 s 1SS226
D402 8-719-800-76 s 1SS226
D403 8-719-800-76 s 1SS226
D404 8-719-800-76 s 1SS226

D405 8-719-104-34 s 1S2835
D406 8-719-104-34 s 1S2835
D407 8-719-104-34 s 1S2835
D408 8-719-104-34 s 1S2835
D501 8-719-800-76 s 1SS226

D502 8-719-800-76 s 1SS226
D503 8-719-800-76 s 1SS226
D504 8-719-800-76 s 1SS226
D505 8-719-104-34 s 1S2835
D506 8-719-104-34 s 1S2835

Ref.No. Parts No. SP Description

D507 8-719-104-34 s 1S2835
D508 8-719-104-34 s 1S2835
D601 8-719-800-76 s 1SS226
D602 8-719-800-76 s 1SS226
D603 8-719-800-76 s 1SS226

D604 8-719-800-76 s 1SS226
D605 8-719-104-34 s 1S2835
D606 8-719-104-34 s 1S2835
D607 8-719-104-34 s 1S2835
D608 8-719-104-34 s 1S2835

D701 8-719-400-18 s MA1 52WK
D702 8-719-400-18 s MA1 52WK
D703 8-719-800-76 s 1SS226
D704 8-719-800-76 s 1SS226
D705 8-719-800-76 s 1SS226

D706 8-719-800-76 s 1SS226
D707 8-719-800-76 s 1SS226
D708 8-719-800-76 s 1SS226
D709 8-719-400-18 s MA1 52WK
D710 8-719-400-18 s MA1 52WK

D711 8-719-400-18 s MA1 52WK
D712 8-719-400-18 s MA1 52WK

IC101 8-759-109-70 s UPC4560G2
IC102 8-759-109-70 s UPC4560G2
IC201 8-759-109-70 s UPC4560G2
IC202 8-759-109-70 s UPC4560G2
IC301 8-759-109-70 s UPC4560G2

IC302 8-759-109-70 s UPC4560G2
IC401 8-759-109-70 s UPC4560G2
IC402 8-759-109-70 s UPC4560G2
IC501 8-759-109-70 s UPC4560G2
IC502 8-759-109-70 s UPC4560G2

IC602 8-759-109-70 s UPC4560G2
IC701 8-759-109-70 s UPC4560G2
IC702 8-759-109-70 s UPC4560G2
IC703 8-759-109-70 s UPC4560G2
IC704 8-759-109-70 s UPC4560G2

IC705 8-759-109-70 s UPC4560G2
IC706 8-759-109-70 s UPC4560G2
IC707 8-759-109-70 s UPC4560G2
IC708 8-759-109-70 s UPC4560G2
IC709 8-759-109-70 s UPC4560G2

IC710 8-759-109-70 s UPC4560G2
IC711 8-759-109-70 s UPC4560G2
IC712 8-759-008-85 s MC14016BF
IC713 8-759-008-85 s MC14016BF
IC715 8-759-008-85 s MC14016BF

IC716 8-759-008-85 s MC14016BF
IC717 8-759-982-23 s TA78L008AP
IC718 8-759-982-46 s RC79L08A

Q1 8-729-216-22 s 2SA1162
Q51 8-766-001-49 s TX429M
Q52 8-729-901-01 s DTC144EK
Q53 8-729-901-06 s DTA144EK
Q101 8-729-202-38 s 2SC3326N

Q102 8-729-202-38 s 2SC3326N
Q103 8-729-202-38 s 2SC3326N
Q104 8-729-202-38 s 2SC3326N
Q105 8-729-180-93 s 2SD809
Q106 8-729-173-13 s 2SB731

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q107 8-729-180-93 s 2SD809
 Q108 8-729-173-13 s 2SB731
 Q109 8-729-271-22 s 2SC2712-G
 Q110 8-729-216-22 s 2SA1162
 Q111 8-729-271-22 s 2SC2712-G

Q112 8-729-216-22 s 2SA1162
 Q201 8-729-202-38 s 2SC3326N
 Q202 8-729-202-38 s 2SC3326N
 Q203 8-729-202-38 s 2SC3326N
 Q204 8-729-202-38 s 2SC3326N

Q205 8-729-180-93 s 2SD809
 Q206 8-729-173-13 s 2SB731
 Q207 8-729-180-93 s 2SD809
 Q208 8-729-173-13 s 2SB731
 Q209 8-729-271-22 s 2SC2712-G

Q210 8-729-216-22 s 2SA1162
 Q211 8-729-271-22 s 2SC2712-G
 Q212 8-729-216-22 s 2SA1162
 Q301 8-729-202-38 s 2SC3326N
 Q302 8-729-202-38 s 2SC3326N

Q303 8-729-202-38 s 2SC3326N
 Q304 8-729-202-38 s 2SC3326N
 Q305 8-729-180-93 s 2SD809
 Q306 8-729-173-13 s 2SB731
 Q307 8-729-180-93 s 2SD809

Q308 8-729-173-13 s 2SB731
 Q309 8-729-271-22 s 2SC2712-G
 Q310 8-729-216-22 s 2SA1162
 Q311 8-729-271-22 s 2SC2712-G
 Q312 8-729-216-22 s 2SA1162

Q401 8-729-202-38 s 2SC3326N
 Q402 8-729-202-38 s 2SC3326N
 Q403 8-729-202-38 s 2SC3326N
 Q404 8-729-202-38 s 2SC3326N
 Q405 8-729-180-93 s 2SD809

Q406 8-729-173-13 s 2SB731
 Q407 8-729-180-93 s 2SD809
 Q408 8-729-173-13 s 2SB731
 Q409 8-729-271-22 s 2SC2712-G
 Q410 8-729-216-22 s 2SA1162

Q411 8-729-271-22 s 2SC2712-G
 Q412 8-729-216-22 s 2SA1162
 Q501 8-729-202-38 s 2SC3326N
 Q502 8-729-202-38 s 2SC3326N
 Q503 8-729-202-38 s 2SC3326N

Q504 8-729-202-38 s 2SC3326N
 Q505 8-729-180-93 s 2SD809
 Q506 8-729-173-13 s 2SB731
 Q507 8-729-180-93 s 2SD809
 Q508 8-729-173-13 s 2SB731

Q509 8-729-271-22 s 2SC2712-G
 Q510 8-729-216-22 s 2SA1162
 Q511 8-729-271-22 s 2SC2712-G
 Q512 8-729-216-22 s 2SA1162
 Q601 8-729-202-38 s 2SC3326N

Q602 8-729-202-38 s 2SC3326N
 Q603 8-729-202-38 s 2SC3326N
 Q604 8-729-202-38 s 2SC3326N
 Q605 8-729-180-93 s 2SD809
 Q606 8-729-173-13 s 2SB731

Q607 8-729-180-93 s 2SD809
 Q608 8-729-173-13 s 2SB731
 Q609 8-729-271-22 s 2SC2712-G
 Q610 8-729-216-22 s 2SA1162
 Q611 8-729-271-22 s 2SC2712-G

Ref.No. Parts No. SP Description

Q612 8-729-216-22 s 2SA1162
 Q701 8-729-901-01 s DTC144EK
 Q702 8-729-901-06 s DTA144EK
 Q703 8-729-901-01 s DTC144EK
 Q704 8-729-901-06 s DTA144EK

Q705 8-729-901-01 s DTC144EK
 Q706 8-729-901-06 s DTA144EK
 Q707 8-729-901-01 s DTC144EK
 Q708 8-729-901-06 s DTA144EK
 Q709 8-729-901-06 s DTA144EK

Q710 8-729-901-01 s DTC144EK
 Q711 8-729-901-06 s DTA144EK
 Q712 8-729-901-01 s DTC144EK
 Q713 8-729-208-87 s 2SJ106-Y
 Q714 8-729-205-38 s 2SK208-Y

Q715 8-729-205-38 s 2SK208-Y
 Q716 8-729-208-87 s 2SJ106-Y
 Q717 8-729-901-06 s DTA144EK
 Q718 8-729-901-01 s DTC144EK
 Q719 8-729-202-38 s 2SC3326N

Q720 8-729-901-01 s DTC144EK
 Q721 8-729-901-01 s DTC144EK
 Q722 8-729-901-01 s DTC144EK
 Q723 8-729-216-22 s 2SA1162
 Q724 8-729-216-22 s 2SA1162

Q725 8-729-202-38 s 2SC3326N
 Q726 8-729-202-38 s 2SC3326N
 Q801 8-729-905-53 s 2SD1055-R
 Q802 8-729-205-95 s 2SB822-R
 Q803 8-729-905-53 s 2SD1055-R

Q804 8-729-205-95 s 2SB822-R
 Q805 8-729-905-53 s 2SD1055-R
 Q806 8-729-205-95 s 2SB822-R

R101 1-216-660-11 s METAL CHIP 2.4k 0.5% 1/10W
 R102 1-216-628-11 s METAL CHIP 110 0.5% 1/10W
 R103 1-216-654-11 s METAL CHIP 1.3k 0.5% 1/10W
 R104 1-216-662-11 s METAL CHIP 3k 0.5% 1/10W
 R105 1-216-659-11 s METAL CHIP 2.2k 0.5% 1/10W

R106 1-216-679-11 s METAL CHIP 15k 0.5% 1/10W
 R107 1-216-661-11 s METAL CHIP 2.7k 0.5% 1/10W
 R109 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W
 R110 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W
 R111 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W

R112 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W
 R114 1-216-679-11 s METAL CHIP 15k 0.5% 1/10W
 R116 1-216-679-11 s METAL CHIP 15k 0.5% 1/10W
 R131 1-249-389-11 s CARBON 4.7 5% 1/4W
 R132 1-216-679-11 s METAL CHIP 15k 0.5% 1/10W

R133 1-249-389-11 s CARBON 4.7 5% 1/4W
 R135 1-216-631-11 s METAL CHIP 150 0.5% 1/10W
 R136 1-216-679-11 s METAL CHIP 15k 0.5% 1/10W
 R138 1-216-631-11 s METAL CHIP 150 0.5% 1/10W
 R201 1-216-660-11 s METAL CHIP 2.4k 0.5% 1/10W

R202 1-216-628-11 s METAL CHIP 110 0.5% 1/10W
 R203 1-216-654-11 s METAL CHIP 1.3k 0.5% 1/10W
 R204 1-216-662-11 s METAL CHIP 3k 0.5% 1/10W
 R205 1-216-659-11 s METAL CHIP 2.2k 0.5% 1/10W
 R206 1-216-679-11 s METAL CHIP 15k 0.5% 1/10W

R207 1-216-661-11 s METAL CHIP 2.7k 0.5% 1/10W
 R209 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W
 R210 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W
 R211 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W
 R212 1-216-667-11 s METAL CHIP 4.7k 0.5% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R214	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R216	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R231	1-249-389-11	s	CARBON 4.7 5% 1/4W
R232	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R233	1-249-389-11	s	CARBON 4.7 5% 1/4W
R235	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R236	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R238	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R301	1-216-660-11	s	METAL CHIP 2.4k 0.5% 1/10W
R302	1-216-628-11	s	METAL CHIP 110 0.5% 1/10W
R303	1-216-654-11	s	METAL CHIP 1.3k 0.5% 1/10W
R304	1-216-662-11	s	METAL CHIP 3k 0.5% 1/10W
R305	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R306	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R307	1-216-661-11	s	METAL CHIP 2.7k 0.5% 1/10W
R309	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R310	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R311	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R312	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R314	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R316	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R331	1-249-389-11	s	CARBON 4.7 5% 1/4W
R332	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R333	1-249-389-11	s	CARBON 4.7 5% 1/4W
R335	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R336	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R338	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R401	1-216-660-11	s	METAL CHIP 2.4k 0.5% 1/10W
R402	1-216-628-11	s	METAL CHIP 110 0.5% 1/10W
R403	1-216-654-11	s	METAL CHIP 1.3k 0.5% 1/10W
R404	1-216-662-11	s	METAL CHIP 3k 0.5% 1/10W
R405	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R406	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R407	1-216-661-11	s	METAL CHIP 2.7k 0.5% 1/10W
R409	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R410	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R411	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R412	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R414	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R416	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R431	1-249-389-11	s	CARBON 4.7 5% 1/4W
R432	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R433	1-249-389-11	s	CARBON 4.7 5% 1/4W
R435	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R436	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R438	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R501	1-216-660-11	s	METAL CHIP 2.4k 0.5% 1/10W
R502	1-216-628-11	s	METAL CHIP 110 0.5% 1/10W
R503	1-216-654-11	s	METAL CHIP 1.3k 0.5% 1/10W
R504	1-216-662-11	s	METAL CHIP 3k 0.5% 1/10W
R505	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R506	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R507	1-216-661-11	s	METAL CHIP 2.7k 0.5% 1/10W
R509	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R510	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R511	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R512	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R514	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R516	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R531	1-249-389-11	s	CARBON 4.7 5% 1/4W
R532	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R533	1-249-389-11	s	CARBON 4.7 5% 1/4W
R535	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R536	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R538	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W

Ref.No.	Parts No.	SP	Description
R601	1-216-660-11	s	METAL CHIP 2.4k 0.5% 1/10W
R602	1-216-628-11	s	METAL CHIP 110 0.5% 1/10W
R603	1-216-654-11	s	METAL CHIP 1.3k 0.5% 1/10W
R604	1-216-662-11	s	METAL CHIP 3k 0.5% 1/10W
R605	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R606	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R607	1-216-661-11	s	METAL CHIP 2.7k 0.5% 1/10W
R609	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R610	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R611	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R612	1-216-667-11	s	METAL CHIP 4.7k 0.5% 1/10W
R614	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R616	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R631	1-249-389-11	s	CARBON 4.7 5% 1/4W
R632	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R633	1-249-389-11	s	CARBON 4.7 5% 1/4W
R635	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R636	1-216-679-11	s	METAL CHIP 15k 0.5% 1/10W
R638	1-216-631-11	s	METAL CHIP 150 0.5% 1/10W
R739	1-216-121-00	s	METAL CHIP 1M 5% 1/10W
R740	1-216-121-00	s	METAL CHIP 1M 5% 1/10W
R744	1-216-121-00	s	METAL CHIP 1M 5% 1/10W
R745	1-216-121-00	s	METAL CHIP 1M 5% 1/10W
R747	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R750	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R752	1-216-659-11	s	METAL CHIP 2.2k 0.5% 1/10W
R801	1-249-411-11	s	CARBON 330 5% 1/4W
R802	1-249-411-11	s	CARBON 330 5% 1/4W
R803	1-249-411-11	s	CARBON 330 5% 1/4W
R804	1-249-411-11	s	CARBON 330 5% 1/4W
R805	1-249-411-11	s	CARBON 330 5% 1/4W
R806	1-249-411-11	s	CARBON 330 5% 1/4W
RV101	1-230-522-11	s	VAR, METAL 4.7k
RV201	1-230-522-11	s	VAR, METAL 4.7k
RV301	1-230-522-11	s	VAR, METAL 4.7k
RV401	1-230-522-11	s	VAR, METAL 4.7k
RV501	1-230-522-11	s	VAR, METAL 4.7k
RV601	1-230-522-11	s	VAR, METAL 4.7k

DE-15 BOARD

1-622-606-11	o	PRINTED CIRCUIT BOARD, DE-15
1-559-266-11	o	FLAT CABLE
DME	1-807-683-11	s RESISTER ELEMENT

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

DEC-27 BOARD

A-6711-815-A o MOUNTED CIRCUIT BOARD, DEC-27

C1	1-123-661-00	s	ELECT	100	20%	6.3V
C14	1-124-462-00	s	ELECT	10	20%	16V
C17	1-162-888-11	s	CERAMIC	560pF	5%	50V
C18	1-162-888-11	s	CERAMIC	560pF	5%	50V
C22	1-162-886-11	s	CERAMIC	390pF	5%	50V
C30	1-124-462-00	s	ELECT	10	20%	16V
C35	1-123-611-00	s	ELECT	1	20%	50V
C42	1-124-229-00	s	ELECT	33	20%	6.3V
C44	1-124-229-00	s	ELECT	33	20%	6.3V
C46	1-124-236-00	s	ELECT	47	20%	10V
C55	1-123-611-00	s	ELECT	1	20%	50V
C62	1-124-229-00	s	ELECT	33	20%	6.3V
C64	1-124-229-00	s	ELECT	33	20%	6.3V
C73	1-124-236-00	s	ELECT	47	20%	10V
C85	1-163-085-00	s	CERMIC	2pF	0.25pF	50V
C87	1-163-102-00	s	CHIP	240pF	5%	50V
C90	1-163-099-00	s	CERAMIC	18pF	5%	50V
C109	1-124-462-00	s	ELECT	10	20%	16V
C110	1-124-462-00	s	ELECT	10	20%	16V
C111	1-124-462-00	s	ELECT	10	20%	16V
C112	1-124-462-00	s	ELECT	10	20%	16V
C113	1-124-462-00	s	ELECT	10	20%	16V
C119	1-124-638-11	s	ELECT	22	20%	10V
C120	1-124-462-00	s	ELECT	10	20%	16V
C122	1-124-462-00	s	ELECT	10	20%	16V
C134	1-124-462-00	s	ELECT	10	20%	16V
C152	1-123-661-00	s	ELECT	100	20%	6.3V
C153	1-124-462-00	s	ELECT	10	20%	16V
C159	1-124-462-00	s	ELECT	10	20%	16V
C161	1-124-638-11	s	ELECT	22	20%	10V
C162	1-124-257-00	s	ELECT	2.2	20%	50V
9) C203	1-135-155-21	s	TANTAL	4.7	10%	10V
9) C204	1-135-159-21	s	TANTAL	10	10%	10V
9) C206	1-135-159-21	s	TANTAL	10	10%	10V
C400	1-126-103-11	s	ELECT	470	20%	16V
C401	1-126-103-11	s	ELECT	470	20%	16V
C403	1-126-103-11	s	ELECT	470	20%	16V
C404	1-124-462-00	s	ELECT	10	20%	16V
C408	1-124-236-00	s	ELECT	47	20%	10V
C410	1-123-661-00	s	ELECT	100	20%	6.3V
C412	1-124-462-00	s	ELECT	10	20%	16V
C420	1-124-462-00	s	ELECT	10	20%	16V
C421	1-126-157-11	s	ELECT	10	20%	16V
C422	1-124-462-00	s	ELECT	10	20%	16V
C428	1-124-462-00	s	ELECT	10	20%	16V
C436	1-123-661-00	s	ELECT	100	20%	6.3V
C438	1-123-661-00	s	ELECT	100	20%	6.3V
C443	1-124-462-00	s	ELECT	10	20%	16V
C453	1-126-103-11	s	ELECT	470	20%	16V
C457	1-123-661-00	s	ELECT	100	20%	6.3V
C459	1-124-462-00	s	ELECT	10	20%	16V
C461	1-124-462-00	s	ELECT	10	20%	16V
C464	1-126-103-11	s	ELECT	470	20%	16V
C466	1-126-103-11	s	ELECT	470	20%	16V
C468	1-123-661-00	s	ELECT	100	20%	6.3V
C470	1-123-661-00	s	ELECT	100	20%	6.3V

Ref.No. Parts No. SP Description

CN105 1-506-748-11 s DIN 96P

CV1	1-141-260-00	s	TRIMMER, CERAMIC 50pF
CV2	1-141-260-00	s	TRIMMER, CERAMIC 50pF
CV3	1-141-245-00	s	TRIMMER, CERAMIC 30pF

D1	8-719-110-08	s	RD8.2ES-B2
D2	8-719-907-19	s	FC52M
D3	8-719-907-19	s	FC52M
D4	8-719-101-97	s	1SS97-1
D5	8-719-101-97	s	1SS97-1
D6	8-719-101-97	s	1SS97-1
D7	8-719-101-97	s	1SS97-1
D8	8-719-100-05	s	1S2837
D9	8-719-100-05	s	1S2837
D10	8-719-110-08	s	RD8.2ES-B2

D11	8-719-109-89	s	RD5.6ESB2
D12	8-719-110-08	s	RD8.2ES-B2
D13	8-719-109-89	s	RD5.6ESB2
D14	8-719-110-22	s	RD11ESB2
D401	8-719-100-05	s	1S2837
D402	8-719-100-05	s	1S2837
D403	8-719-100-05	s	1S2837

DL1	1-415-447-21	s	2H
DL2	1-415-348-11	s	140/280ns
DL3	1-415-348-11	s	140/280ns
DL4	1-415-309-00	s	350ns
DL5	1-415-309-00	s	350ns

FB100	1-535-178-00	s	FERRITE BEAD
FB101	1-535-178-00	s	FERRITE BEAD

IC1	8-752-030-81	s	CXA1040M (SONY)
IC2	8-752-030-80	s	CXA1039M (SONY)
IC3	8-759-208-11	s	TC4053BFHB (TOSHIBA)
IC4	8-759-907-81	s	SN74LS221NS (TI)
IC5	8-759-907-81	s	SN74LS221NS (TI)

IC6	8-759-907-81	s	SN74LS221NS (TI)
IC7	8-759-205-06	s	TC74HC74F (TOSHIBA)
IC8	8-759-201-47	s	TA7357AP (TOSHIBA)
IC9	8-759-700-95	s	NJM1496M (JRC)
IC10	8-759-112-53	s	uPC1663G (NEC)

IC11	8-759-112-53	s	uPC1663G (NEC)
IC12	8-759-908-16	s	TL072CPS (TI)
IC13	8-759-400-06	s	AN608P (MATSUSHITA)
IC14	8-759-400-06	s	AN608P (MATSUSHITA)
IC15	8-759-402-33	s	AN607P (MATSUSHITA)

IC16	8-752-201-30	s	CX22013 (SONY)
IC17	8-752-030-30	s	CXA1020P (SONY)
IC18	8-759-402-33	s	AN607P (MATSUSHITA)
IC19	8-759-632-99	s	M5215TL (MITSUBISHI)
IC20	8-759-969-13	s	SN16913P (TI)

IC21	8-759-932-54	s	TC4066BFHB (TOSHIBA)
IC22	8-759-632-99	s	M5215TL (MITSUBISHI)
IC23	8-759-908-17	s	TL082CPS (TI)
IC24	1-808-743-11	s	CIRCUIT UNIT, VA
IC25	8-759-932-54	s	TC4066BFHB (TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
IC26	8-752-030-80	s	CXA1039M (SONY)
IC401	8-759-982-34	s	RC78M09FA (RAYTHEON)
IC402	8-759-708-05	s	NJM78L05A (JRC)
IC403	8-759-982-52	s	RC78M05FA (RAYTHEON)

L1	1-410-473-11	s	MICRO 18
L2	1-410-482-31	s	MICRO 100
L4	1-410-462-11	s	MICRO 2.2
L7	1-410-482-31	s	MICRO 100
L8	1-410-468-11	s	MICRO 6.8
L9	1-410-462-11	s	MICRO 2.2
L10	1-410-462-11	s	MICRO 2.2
L100	1-459-155-00	s	45 (WITH CORE)
L101	1-459-155-00	s	45 (WITH CORE)
L103	1-459-155-00	s	45 (WITH CORE)

L104	1-410-482-31	s	MICRO 100
L105	1-410-482-31	s	MICRO 100
L107	1-410-482-31	s	MICRO 100
L108	1-410-482-31	s	MICRO 100
L109	1-410-482-31	s	MICRO 100

L110	1-410-482-31	s	MICRO 100
L111	1-410-482-31	s	MICRO 100
L112	1-410-482-31	s	MICRO 100
L113	1-410-482-31	s	MICRO 100
L114	1-410-482-31	s	MICRO 100

L120	1-410-482-31	s	MICRO 100
L122	1-410-482-31	s	MICRO 100
L123	1-410-482-31	s	MICRO 100
L124	1-410-482-31	s	MICRO 100
L125	1-410-482-31	s	MICRO 100

L126	1-410-482-31	s	MICRO 100
L127	1-410-482-31	s	MICRO 100

Q1	8-729-271-23	s	2SC2712
Q2	8-729-271-23	s	2SC2712
Q3	8-729-271-23	s	2SC2712
Q4	8-729-271-23	s	2SC2712
Q5	8-729-216-21	s	2SA1162Y

Q6	8-729-216-21	s	2SA1162Y
Q7	8-729-216-21	s	2SA1162Y
Q8	8-729-175-72	s	2SC2757
Q9	8-729-175-72	s	2SC2757
Q10	8-729-122-63	s	2SA1226

Q11	8-729-175-72	s	2SC2757
Q12	8-729-122-63	s	2SA1226
Q13	8-729-105-73	s	2SK523-L2
Q14	8-729-122-63	s	2SA1226
Q15	8-729-122-63	s	2SA1226

Q16	8-729-175-72	s	2SC2757
Q17	8-729-175-72	s	2SC2757
Q18	8-729-175-72	s	2SC2757
Q19	8-729-122-63	s	2SA1226
Q20	8-729-175-72	s	2SC2757

Q21	8-729-122-63	s	2SA1226
Q22	8-729-105-73	s	2SK523-L2
Q23	8-729-122-63	s	2SA1226
Q24	8-729-122-63	s	2SA1226
Q25	8-729-216-21	s	2SA1162Y

Ref.No.	Parts No.	SP	Description
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Q26	8-729-271-23	s	2SC2712
Q27	8-729-271-23	s	2SC2712
Q28	8-729-216-21	s	2SA1162Y
Q29	8-729-271-23	s	2SC2712
Q30	8-729-271-23	s	2SC2712

Q31	8-729-216-21	s	2SA1162Y
Q32	8-729-271-23	s	2SC2712
Q33	8-729-271-23	s	2SC2712
Q34	8-729-216-21	s	2SA1162Y
Q35	8-729-109-42	s	2SK94

Q36	8-729-109-42	s	2SK94
Q37	8-729-109-42	s	2SK94
Q41	8-729-122-63	s	2SA1226
Q42	8-729-266-92	s	2SC2669
Q50	8-729-271-23	s	2SC2712

Q51	8-729-271-23	s	2SC2712
Q52	8-729-271-23	s	2SC2712
Q53	8-729-271-23	s	2SC2712
Q54	8-729-190-12	s	2SC2901
Q55	8-729-271-23	s	2SC2712

Q56	8-729-271-23	s	2SC2712
Q57	8-729-216-21	s	2SA1162Y
Q58	8-729-271-23	s	2SC2712
Q59	8-729-216-21	s	2SA1162Y
Q60	8-729-271-23	s	2SC2712

Q61	8-729-216-21	s	2SA1162Y
Q62	8-729-271-23	s	2SC2712
Q63	8-729-216-21	s	2SA1162Y
Q64	8-729-271-23	s	2SC2712
Q65	8-729-271-23	s	2SC2712

Q66	8-729-271-23	s	2SC2712
Q67	8-729-271-23	s	2SC2712
Q68	8-729-216-21	s	2SA1162Y
Q69	8-729-271-23	s	2SC2712
Q70	8-729-271-23	s	2SC2712

Q71	8-729-271-23	s	2SC2712
Q73	8-729-216-21	s	2SA1162Y
5) Q78	8-729-202-38	s	2SC3326N
6) Q78	8-729-102-07	s	2SC2223-F13
Q79	8-729-901-01	s	DTC144EK

R1	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W
R2	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R14	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R15	1-216-673-11	s	METAL CHIP 8.2k	0.50%	1/10W
R16	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W

R17	1-216-688-11	s	METAL CHIP 36k	0.50%	1/10W
R18	1-216-669-11	s	METAL CHIP 5.6k	0.50%	1/10W
R47	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W
R48	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W
R55	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W

R65	1-216-620-11	s	METAL CHIP 51	0.50%	1/10W
R66	1-216-620-11	s	METAL CHIP 51	0.50%	1/10W
R67	1-216-748-11	s	METAL CHIP 39k	5%	1/10W
R91	1-216-672-11	s	METAL CHIP 7.5k	0.50%	1/10W
R101	1-216-620-11	s	METAL CHIP 51	0.50%	1/10W

R102	1-216-620-11	s	METAL CHIP 51	0.50%	1/10W
R103	1-216-748-11	s	METAL CHIP 39k	5%	1/10W
R132	1-216-647-11	s	METAL CHIP 680	0.50%	1/10W
R159	1-216-667-11	s	METAL CHIP 12k	0.50%	1/10W
R160	1-216-680-11	s	METAL CHIP 16k	0.50%	1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R200	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R201	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
R202	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
R206	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R207	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
R208	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
R211	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R212	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
R213	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
R217	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
R218	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
R220	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
R221	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
R222	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R252	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R253	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R258	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W
R259	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W
R264	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R265	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R268	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R272	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R279	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R280	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R281	1-216-682-11	s	METAL CHIP 20k 0.50% 1/10W
R283	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R284	1-216-653-11	s	METAL CHIP 1.2k 0.50% 1/10W
R285	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R288	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
R300	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R301	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R303	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R305	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R307	1-216-637-11	s	METAL CHIP 270 0.50% 1/10W
R309	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R310	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R315	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R316	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
RV1	1-230-838-11	s	VAR, METAL FILM 200
RV2	1-237-516-21	s	VAR, CERMET 2k
RV3	1-237-516-21	s	VAR, CERMET 2k
RV4	1-237-520-21	s	VAR, CERMET 50k
RV5	1-237-516-21	s	VAR, CERMET 2k
RV6	1-237-516-21	s	VAR, CERMET 2k
RV7	1-237-516-21	s	VAR, CERMET 2k
RV8	1-237-516-21	s	VAR, CERMET 2k
RV9	1-237-515-21	s	VAR, CERMET 1k
RV10	1-237-515-21	s	VAR, CERMET 1k
RV11	1-237-517-21	s	VAR, CERMET 5k
RV12	1-237-515-21	s	VAR, CERMET 1k
RV13	1-237-515-21	s	VAR, CERMET 1k
RV15	1-237-515-21	s	VAR, CERMET 1k
RV16	1-237-521-21	s	VAR, CERMET 100k
RV20	1-237-521-21	s	VAR, CERMET 100k
S1	1-570-857-11	s	SLIDE

Ref.No.	Parts No.	SP	Description
SP1	1-560-733-00	s	PIN, SHORT
SP2	1-560-733-00	s	PIN, SHORT
SP3	1-560-733-00	s	PIN, SHORT
SP4	1-560-733-00	s	PIN, SHORT
SP5	1-566-385-11	s	PIN 2P
SP6	1-566-385-11	s	PIN 2P
SP7	1-566-385-11	s	PIN 2P
SP8	1-566-385-11	s	PIN 2P
SS1	1-561-832-00	s	SOCKET, SHORT
SS3	1-561-832-00	s	SOCKET, SHORT
SS5	1-565-413-11	s	RECEPTACLE 2P
SS7	1-565-413-11	s	RECEPTACLE 2P
TH2	1-800-202-XX	s	S-10K
TH3	1-800-200-00	s	S-3K
X1	1-577-338-11	s	VIBRATOR 30.00MHz

DEC-42 BOARD

This board includes the CF-36 board.

A-6727-002-A o MOUNTED CIRCUIT BOARD, DEC-42

C5	1-124-584-00	s	ELECT	100	20%	10V
C9	1-162-198-31	s	CERAMIC	8.2pF		50V
C12	1-124-584-00	s	ELECT	100	20%	10V
C22	1-162-198-31	s	CERAMIC	8.2pF		50V
C100	1-124-475-11	s	ELECT	470	20%	16V
C101	1-124-475-11	s	ELECT	470	20%	16V
C102	1-124-475-11	s	ELECT	470	20%	16V
C103	1-124-475-11	s	ELECT	470	20%	16V
C106	1-124-475-11	s	ELECT	470	20%	16V
C112	1-124-475-11	s	ELECT	470	20%	16V
C114	1-124-475-11	s	ELECT	470	20%	16V
C207	1-163-094-00	s	CERAMIC CHIP	11pF	5%	50V
C215	1-163-094-00	s	CERAMIC CHIP	11pF	5%	50V
C248	1-163-103-00	s	CERAMIC CHIP	27pF	5%	50V
C250	1-163-037-11	s	CERAMIC CHIP	0.022	10%	25V
C251	1-163-037-11	s	CERAMIC CHIP	0.022	10%	25V
C300	1-124-475-11	s	ELECT	470	20%	16V
C310	1-126-157-11	s	ELECT	10	20%	16V
C321	1-126-157-11	s	ELECT	10	20%	16V
C326	1-126-157-11	s	ELECT	10	20%	16V
C327	1-126-157-11	s	ELECT	10	20%	16V
C416	1-126-157-11	s	ELECT	10	20%	16V
C419	1-162-882-00	s	CERAMIC	180pF	5%	50V
C420	1-126-157-11	s	ELECT	10	20%	16V
C423	1-161-463-00	s	CERAMIC	220pF	1%	50V
C429	1-126-157-11	s	ELECT	10	20%	16V
C502	1-126-176-11	s	ELECT	220	20%	6.3V
C504	1-126-176-11	s	ELECT	220	20%	6.3V
C515	1-124-473-11	s	ELECT	1000	20%	10V
C524	1-126-176-11	s	ELECT	220	20%	6.3V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C600 1-126-157-11 s ELECT 10 20% 16V
 C603 1-162-888-11 s CERAMIC 560pF 5% 50V
 C622 1-135-145-11 s TANTAL 0.47 10% 25V
 C640 1-126-157-11 s ELECT 10 20% 16V
 C643 1-162-888-11 s CERAMIC 560pF 5% 50V

C666 1-135-145-11 s TANTAL 0.47 10% 25V
 C673 1-135-093-21 s TANTAL 10 10% 16V
 C693 1-135-070-00 s TANTAL 0.1 10% 35V
 C700 1-126-176-11 s ELECT 220 20% 6.3V
 C705 1-126-157-11 s ELECT 10 20% 16V

C719 1-126-157-11 s ELECT 10 20% 16V
 C721 1-126-157-11 s ELECT 10 20% 16V
 C723 1-126-157-11 s ELECT 10 20% 16V
 C725 1-126-157-11 s ELECT 10 20% 16V
 C729 1-126-157-11 s ELECT 10 20% 16V

C731 1-124-584-00 s ELECT 100 20% 10V
 C744 1-124-584-00 s ELECT 100 20% 10V
 C804 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C807 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C808 1-164-004-11 s CERAMIC CHIP 0.1 10% 25V

C809 1-126-157-11 s ELECT 10 20% 16V

CN112 1-506-746-11 s DIN 48P
 CN113 1-506-748-11 s DIN 96P
 CN501 1-564-988-11 s 14P
 CN502 1-565-060-11 s 16P

CV401 1-141-260-11 s TRIMMER 50pF
 CV402 1-141-227-21 s TRIMMER 20pF
 CV403 1-141-227-21 s TRIMMER 20pF

D101 8-719-110-22 s RD11ES-B2
 D201 8-759-908-15 s TL431CLP
 D202 8-759-908-15 s TL431CLP
 D203 8-719-105-58 s RD3.9M-B2
 D204 8-719-101-23 s 1SS123

D400 8-719-104-10 s 1SS99
 D401 8-719-981-01 s ERA81-004
 D505 8-719-100-05 s 1S2837
 D506 8-719-100-05 s 1S2837
 D509 8-719-100-05 s 1S2837

D510 8-719-104-10 s 1SS99
 D511 8-719-104-10 s 1SS99
 D700 8-719-100-05 s 1S2837
 D802 8-719-915-30 s FC53M
 D804 8-719-100-05 s 1S2837

D805 8-719-105-48 s RD3.3M-B2
 D807 8-719-100-05 s 1S2837
 D808 8-719-104-31 s 1S2838
 D809 8-719-104-31 s 1S2838

FB500 1-535-178-00 s FERRITE BEAD
 FB701 1-535-178-00 s FERRITE BEAD

FL1 1-235-758-11 s LOW-PASS 1.5MHz
 FL2 1-235-758-11 s LOW-PASS 1.5MHz
 FL201 1-236-230-11 s LOW-PASS 2.0MHz
 FL202 1-236-230-11 s LOW-PASS 2.0MHz
 FL203 1-236-162-11 s LOW-PASS

Ref.No. Parts No. SP Description

FL401 1-235-759-11 s LOW-PASS 5.0MHz

IC1 8-759-700-95 s NJM1496M (JRC)
 IC2 8-759-208-09 s TC4052BFHB (TOSHIBA)
 IC3 8-759-700-95 s NJM1496M (JRC)
 IC4 8-759-908-92 s TL084CNS (TI)
 IC5 8-759-908-92 s TL084CNS (TI)

IC6 8-759-101-12 s uPC311G2 (NEC)
 IC7 8-759-208-11 s TC4052BFHB (TOSHIBA)
 IC8 8-759-930-56 s SN74LS163ANS (TI)
 IC9 8-759-012-02 s MC10HL24M (MOTOROLA)
 IC10 8-759-012-03 s MC10HL31M (MOTOROLA)

IC11 8-759-011-98 s MC10HL13M (MOTOROLA)
 IC101 8-759-708-09 s NJM78L09A (JRC)
 IC200 8-759-908-18 s TL607CPS (TI)
 IC201 8-752-006-13 s CX20061 (SONY)
 IC202 8-752-006-13 s CX20061 (SONY)

IC203 8-759-908-18 s TL607CPS (TI)
 IC204 8-752-006-13 s CX20061 (SONY)
 IC205 8-752-006-13 s CX20061 (SONY)
 IC206 8-749-901-45 s SBX4002-01 (NEC)
 IC207 8-749-901-45 s SBX4002-01 (NEC)

IC208 8-752-032-55 s CXA1096M (SONY)
 IC209 8-752-032-55 s CXA1096M (SONY)
 IC210 8-752-329-28 s CXD1151Q (SONY)
 IC211 8-759-508-58 s MB40778H (FUJITSU)
 IC212 8-759-908-17 s TL082CPS (TI)

IC213 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC214 8-759-908-18 s TL607CPS (TI)
 IC400 8-752-006-13 s CX20061 (SONY)
 IC401 8-752-006-13 s CX20061 (SONY)
 IC402 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC403 1-808-743-11 s CIRCUIT UNIT, VA
 IC404 8-759-908-92 s TL084CNS (TI)
 IC405 8-759-208-09 s TC4052BFHB (TOSHIBA)
 IC406 1-808-743-11 s CIRCUIT UNIT, VA
 IC407 8-759-700-65 s NJM79L05A (JRC)

IC408 8-759-700-65 s NJM79L05A (JRC)
 IC409 8-759-708-09 s NJM78L09A (JRC)
 IC410 8-759-708-09 s NJM78L09A (JRC)
 IC411 8-752-015-81 s CX20158 (SONY)
 IC500 8-759-201-47 s TA7357AP (TOSHIBA)

IC502 8-759-920-14 s S-8053ALR (SEIKO I AND E)
 IC509 8-752-037-75 s CX7993A (SONY)
 IC510 8-759-941-27 s MB4002PF (FUJITSU)
 IC511 8-759-632-99 s M5215TL (MITSUBISHI)
 IC512 8-759-101-12 s uPC311G2 (NEC)

IC513 8-759-201-47 s TA7357AP (TOSHIBA)
 IC514 8-759-907-81 s SN74LS221NS (TI)
 IC515 8-759-941-27 s MB4002PF (FUJITSU)
 IC522 8-759-907-81 s SN74LS221NS (TI)
 IC523 8-759-907-81 s SN74LS221NS (TI)

IC524 8-759-907-81 s SN74LS221NS (TI)
 IC525 8-759-902-88 s SN74LS123NS (TI)
 IC526 8-759-205-06 s TC74HC74F (TOSHIBA)
 IC533 8-759-907-81 s SN74LS221NS (TI)
 IC534 8-759-907-81 s SN74LS221NS (TI)

IC541 8-759-205-05 s TC74HC32F (TOSHIBA)
 IC542 8-759-207-74 s TC4030BFHB (TOSHIBA)
 IC543 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC544 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC545 8-759-204-94 s TC74HC00F (TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC546 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC547 8-759-205-05 s TC74HC32F (TOSHIBA)
 IC548 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC550 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC700 8-759-708-09 s NJM78L09A (JRC)

IC801 8-749-901-21 s BX1461 (SONY)
 IC802 8-759-908-17 s TL082CPS (TI)
 IC803 8-759-012-13 s MC10HI 25M (MOTOROLA)
 IC804 8-759-230-23 s CXD1045AQ (SONY)
 IC805 8-759-941-17 s SN74L06NS (TI)

IC901 8-759-907-81 s SN74LS221NS (TI)
 IC902 8-759-205-06 s TC74HC74F (TOSHIBA)

L100 1-412-533-11 s MICRO 47
 L101 1-412-533-11 s MICRO 47
 L102 1-412-533-11 s MICRO 47
 L103 1-412-533-11 s MICRO 47
 L105 1-410-482-31 s MICRO 100

L106 1-410-482-31 s MICRO 100
 L109 1-410-482-31 s MICRO 100
 L110 1-412-533-11 s MICRO 47
 L115 1-410-482-31 s MICRO 100
 L117 1-410-482-31 s MICRO 100

L118 1-410-482-31 s MICRO 100
 L201 1-410-466-41 s MICRO 4.7
 L202 1-410-466-41 s MICRO 4.7
 L203 1-410-471-11 s MICRO 12
 L204 1-410-471-11 s MICRO 12

L300 1-410-482-31 s MICRO 100
 L301 1-410-482-31 s MICRO 100
 L302 1-410-482-31 s MICRO 100
 L306 1-410-482-31 s MICRO 100
 L307 1-410-482-31 s MICRO 100

L308 1-410-482-31 s MICRO 100
 L309 1-410-482-31 s MICRO 100
 L310 1-410-482-31 s MICRO 100
 L313 1-410-482-31 s MICRO 100
 L501 1-410-482-31 s MICRO 100

L502 1-410-482-31 s MICRO 100
 L505 1-410-482-31 s MICRO 100
 L506 1-410-482-31 s MICRO 100
 L507 1-410-482-31 s MICRO 100
 L508 1-410-482-31 s MICRO 100

L511 1-410-482-31 s MICRO 100
 L600 1-410-478-11 s MICRO 47
 L601 1-410-478-11 s MICRO 47
 L700 1-412-533-11 s MICRO 47
 L701 1-410-482-31 s MICRO 100

L703 1-410-482-31 s MICRO 100
 L705 1-410-482-31 s MICRO 100
 L706 1-410-482-31 s MICRO 100
 L707 1-410-482-31 s MICRO 100
 L801 1-410-459-11 s MICRO 1.2

LV400 1-407-574-00 s VAR 68
 LV401 1-407-575-00 s VAR 100
 LV801 1-407-563-00 s VAR 1.0

Ref.No. Parts No. SP Description

Q1 8-729-271-23 s 2SC2712
 Q2 8-729-271-23 s 2SC2712
 Q3 8-729-271-23 s 2SC2712
 Q4 8-729-271-23 s 2SC2712
 Q6 8-729-216-21 s 2SA1162Y

Q7 8-729-216-21 s 2SA1162Y
 Q8 8-729-109-42 s 2SK94
 Q9 8-729-203-23 s 2SK389-V
 Q10 8-729-271-23 s 2SC2712
 Q11 8-729-271-23 s 2SC2712

Q12 8-729-271-23 s 2SC2712
 Q14 8-729-216-21 s 2SA1162Y
 Q15 8-729-216-21 s 2SA1162Y
 Q16 8-729-109-42 s 2SK94
 Q17 8-729-203-23 s 2SK389-V

Q18 8-729-122-63 s 2SA1226
 Q200 8-729-271-23 s 2SC2712
 Q201 8-729-271-23 s 2SC2712
 Q202 8-729-271-23 s 2SC2712
 Q203 8-729-271-23 s 2SC2712

Q204 8-729-216-21 s 2SA1162Y
 Q208 8-729-271-23 s 2SC2712
 Q209 8-729-271-23 s 2SC2712
 Q210 8-729-271-23 s 2SC2712
 Q211 8-729-271-23 s 2SC2712

Q212 8-729-216-21 s 2SA1162Y
 Q219 8-729-177-34 s 2SD773-5
 Q220 8-729-177-34 s 2SD773-5
 Q221 8-729-106-60 s 2SB1115A
 Q222 8-729-271-23 s 2SC2712

Q223 8-729-109-42 s 2SK94
 Q224 8-729-271-23 s 2SC2712
 Q225 8-729-271-23 s 2SC2712
 Q226 8-729-271-23 s 2SC2712
 Q227 8-729-216-21 s 2SA1162Y

11) Q228 8-729-216-22 s 2SA1162
 11) Q229 8-729-271-23 s 2SC2712
 11) Q230 8-729-271-23 s 2SC2712
 Q400 8-729-271-23 s 2SC2712
 Q401 8-729-271-23 s 2SC2712

Q402 8-729-216-21 s 2SA1162Y
 Q403 8-729-271-23 s 2SC2712
 Q404 8-729-271-23 s 2SC2712
 Q405 8-729-271-23 s 2SC2712
 Q406 8-729-122-63 s 2SA1226

Q407 8-729-109-42 s 2SK94
 Q408 8-729-203-23 s 2SK389-V
 Q409 8-729-203-23 s 2SK389-V
 Q410 8-729-271-23 s 2SC2712
 Q411 8-729-271-23 s 2SC2712

Q412 8-729-271-23 s 2SC2712
 Q413 8-729-271-23 s 2SC2712
 Q414 8-729-271-23 s 2SC2712
 Q415 8-729-271-23 s 2SC2712
 Q416 8-729-190-12 s 2SC2901

Q417 8-729-271-23 s 2SC2712
 Q418 8-729-190-12 s 2SC2901
 Q419 8-729-271-23 s 2SC2712
 Q420 8-729-271-23 s 2SC2712
 Q421 8-729-271-23 s 2SC2712

Q422 8-729-271-23 s 2SC2712
 Q423 8-729-271-23 s 2SC2712
 Q424 8-729-271-23 s 2SC2712
 Q425 8-729-271-23 s 2SC2712
 Q426 8-729-271-23 s 2SC2712

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Ref.No. Parts No. SP Description

S500 1-570-857-11 s SLIDE

TH1 1-800-202-XX s S-10K

TH2 1-800-202-XX s S-10K

X1 1-577-089-11 s OSCILLATOR 14.31818MHz

X501 1-567-864-11 s VIBRATOR 10.738635MHz

DM-56 BOARD

A-6711-808-A o MOUNTED CIRCUIT BOARD, DM-56

C25	1-163-104-00	s	CERAMIC	30pF	5%	50V
C31	1-107-339-11	s	MICA	630.8	0.25%	100V
C49	1-107-081-00	s	MICA	68pF	5%	50V
C71	1-135-101-21	s	ELECT	22	10%	6.3V
C72	1-135-093-21	s	TANTAL	10	10%	10V
C77	1-163-095-00	s	CERAMIC	12pF	5%	50V
C78	1-163-095-00	s	CERAMIC	12pF	5%	50V
C79	1-163-088-00	s	CERAMIC	5pF		50V
C93	1-163-096-00	s	CERAMIC	13pF	5%	50V
C104	1-163-102-00	s	CERAMIC	24pF	5%	50V
C105	1-163-094-00	s	CERAMIC	11pF	5%	50V
C107	1-135-093-21	s	TANTAL	10	10%	10V
C114	1-163-098-00	s	CERAMIC	16pF	5%	50V
C124	1-135-093-21	s	TANTAL	10	10%	10V
3) C157	1-163-098-00	s	CERAMIC	16pF	5%	50V
4) C157	1-163-102-00	s	CERAMIC	24pF	5%	50V
C161	1-163-111-00	s	CERAMIC	56pF	5%	50V
C178	1-162-880-11	s	CERAMIC	120pF	5%	50V
C184	1-163-103-00	s	CERAMIC	27pF	5%	50V
C185	1-163-088-00	s	CERAMIC	5pF		50V
C202	1-163-103-00	s	CERAMIC	27pF	5%	50V
C205	1-163-103-00	s	CERAMIC	27pF	5%	50V
C210	1-163-096-00	s	CERAMIC	13pF	5%	50V
C215	1-163-096-00	s	CERAMIC	13pF	5%	50V
C218	1-135-093-21	s	TANTAL	10	10%	10V
C220	1-135-093-21	s	TANTAL	10	10%	10V
C310	1-107-340-11	s	MICA	651.2	0.25%	100V
C311	1-163-103-00	s	CERAMIC	27pF	5%	50V
C312	1-163-103-00	s	CERAMIC	27pF	5%	50V
C319	1-163-123-00	s	CERAMIC	180pF	5%	50V
C321	1-163-135-00	s	CERAMIC	560pF	5%	50V
C367	1-163-095-00	s	CERAMIC	12pF	5%	50V
C368	1-163-095-00	s	CERAMIC	12pF	5%	50V
C381	1-163-096-00	s	CERAMIC	13pF	5%	50V
C389	1-163-094-00	s	CERAMIC	11pF	5%	50V
C394	1-163-102-00	s	CERAMIC	24pF	5%	50V
C395	1-163-094-00	s	CERAMIC	11pF	5%	50V
C397	1-124-462-00	s	ELECT	10	20%	16V
C408	1-124-224-00	s	ELECT	47	20%	6.3V
C414	1-124-471-00	s	ELECT	1000	20%	6.3V
C415	1-124-471-00	s	ELECT	1000	20%	6.3V
C417	1-126-103-11	s	ELECT	470	20%	16V
C421	1-126-103-11	s	ELECT	470	20%	16V
C439	1-124-471-00	s	ELECT	1000	20%	6.3V
C452	1-124-471-00	s	ELECT	1000	20%	6.3V

Ref.No. Parts No. SP Description

C454 1-124-224-00 s ELECT 47 20% 6.3V

C470 1-163-107-00 s CERAMIC 39pF 5% 50V

C803 1-135-093-21 s TANTAL 10 10% 10V

C813 1-135-093-21 s TANTAL 10 10% 10V

C823 1-135-093-21 s TANTAL 10 10% 10V

C842 1-135-096-21 s TANTAL 4.7 10% 10V

CN110 1-506-746-11 s DIN 48P

CN111 1-506-748-11 s DIN 96P

CV1 1-141-229-00 s TRIMMER, CERAMIC 10pF

CV2 1-141-229-00 s TRIMMER, CERAMIC 10pF

D1 8-719-101-23 s 1SS123

D2 8-719-101-23 s 1SS123

D3 8-719-105-85 s RD5.1ES-B2

D4 8-719-101-23 s 1SS123

D5 8-719-109-94 s RD6.2ES-B3

D6 8-719-101-23 s 1SS123

D9 8-719-101-23 s 1SS123

D13 8-719-109-94 s RD6.2ES-B3

D301 8-719-101-23 s 1SS123

D302 8-719-109-84 s RD5.1ES-B1

D303 8-719-101-23 s 1SS123

D304 8-719-101-23 s 1SS123

D305 8-719-101-23 s 1SS123

D306 8-719-109-53 s RD2.2ES-B1

D308 8-719-101-23 s 1SS123

D309 8-719-101-23 s 1SS123

D310 8-719-109-94 s RD6.2ES-B3

D311 8-719-109-94 s RD6.2ES-B3

DL1 1-415-162-11 s 50ns

DL301 1-415-162-11 s 50ns

FB1 1-535-178-00 s FERRITE BEAD

FB301 1-535-178-00 s FERRITE BEAD

FB302 1-535-178-00 s FERRITE BEAD

FB303 1-535-178-00 s FERRITE BEAD

FB304 1-535-178-00 s FERRITE BEAD

FB305 1-535-178-00 s FERRITE BEAD

FB306 1-535-178-00 s FERRITE BEAD

FL1 1-236-132-11 s LOW-PASS 4.5MHz

FL2 1-236-024-11 s LOW-PASS 4.0MHz

FL3 1-235-447-11 s BAND ELIMINATE 3.58MHz

FL4 1-235-321-11 s LOW-PASS 2.1MHz

FL301 1-235-284-21 s LOW-PASS(C)

IC1 8-752-015-81 s CX20158 (SONY)

IC2 8-752-015-81 s CX20158 (SONY)

IC3 8-759-112-53 s uPC1663G (NEC)

IC4 8-759-112-53 s uPC1663G (NEC)

IC5 8-752-015-81 s CX20158 (SONY)

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Ref.No. Parts No. SP Description

IC6 8-729-801-45 s 28C3064E
 IC7 8-766-001-49 s TX429M
 IC8 8-759-969-13 s SN16913P (TI)
 IC9 8-759-700-43 s NJM4558M (JRC)
 IC10 8-759-700-95 s NJM1496M (JRC)
 IC11 8-759-908-17 s TL082CPS (TI)
 IC12 8-759-055-67 s SN75107ANS-LS (TI)
 IC13 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC14 8-749-920-42 s BX1098L (SONY)
 IC16 1-464-602-11 s CIRCUIT UNIT, HF

IC17 8-752-006-13 s CX20061 (SONY)
 IC18 8-752-006-13 s CX20061 (SONY)
 IC19 8-759-012-00 s MC10H116M (MOTOROLA)
 IC20 8-759-001-98 s MC10198L (MOTOROLA)
 IC21 8-752-015-81 s CX20158 (SONY)

IC22 8-759-112-53 s uPC1663G (NEC)
 IC24 8-759-908-17 s TL082CPS (TI)
 IC27 8-752-015-81 s CX20158 (SONY)
 IC28 8-752-015-81 s CX20158 (SONY)
 IC29 8-752-030-80 s CXA1039M (SONY)

IC301 8-752-015-81 s CX20158 (SONY)
 IC302 8-759-112-53 s uPC1663G (NEC)
 IC303 8-752-015-81 s CX20158 (SONY)
 IC304 8-759-112-53 s uPC1663G (NEC)
 IC305 8-752-015-81 s CX20158 (SONY)

IC306 8-729-801-45 s 28C3064E
 IC307 8-766-001-49 s TX429M
 IC308 8-759-969-13 s SN16913P (TI)
 IC309 8-759-700-43 s NJM4558M (JRC)
 IC310 8-759-700-95 s NJM1496M (JRC)

IC311 8-759-908-17 s TL082CPS (TI)
 IC312 8-759-055-67 s SN75107ANS-LS (TI)
 IC314 1-464-602-11 s CIRCUIT UNIT, HF
 IC315 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC316 8-752-006-13 s CX20061 (SONY)

IC317 8-759-012-00 s MC10H116M (MOTOROLA)
 IC318 8-759-001-98 s MC10198L (MOTOROLA)
 IC319 8-759-112-53 s uPC1663G (NEC)
 IC321 8-752-015-81 s CX20158 (SONY)
 IC322 8-759-701-00 s NJM7809A (JRC)

IC324 8-759-205-39 s TC74HC4049F (TOSHIBA)
 IC325 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC326 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC327 8-759-205-40 s TC74HC4050F (TOSHIBA)
 IC328 8-759-604-29 s NJM7805A (JRC)

IC801 8-752-030-80 s CXA1039M (SONY)
 IC811 8-752-030-80 s CXA1039M (SONY)
 IC821 8-752-030-80 s CXA1039M (SONY)
 IC831 8-759-941-17 s SN74LS06NS (TI)

L3 1-410-482-31 s MICRO 100
 L4 1-410-482-31 s MICRO 100
 L5 1-410-468-11 s MICRO 6.8
 L6 1-410-482-31 s MICRO 100
 L7 1-410-482-31 s MICRO 100

L8 1-410-464-11 s MICRO 3.3
 L9 1-410-482-31 s MICRO 100
 L10 1-410-482-31 s MICRO 100
 L13 1-410-482-31 s MICRO 100
 L14 1-410-482-31 s MICRO 100

Ref.No. Parts No. SP Description

L15 1-410-466-41 s MICRO 4.7
 L16 1-410-482-31 s MICRO 100
 L17 1-410-482-31 s MICRO 100
 L18 1-410-482-31 s MICRO 100
 L21 1-410-482-31 s MICRO 100

L22 1-410-482-31 s MICRO 100
 L23 1-410-482-31 s MICRO 100
 L24 1-410-482-31 s MICRO 100
 L25 1-410-482-31 s MICRO 100
 L26 1-410-482-31 s MICRO 100

L27 1-410-482-31 s MICRO 100
 L28 1-410-482-31 s MICRO 100
 L29 1-410-473-11 s MICRO 18
 L30 1-410-464-11 s MICRO 3.3
 L31 1-410-473-11 s MICRO 18

L33 1-410-482-31 s MICRO 100
 L34 1-410-482-31 s MICRO 100
 L35 1-410-482-31 s MICRO 100
 L36 1-410-478-11 s MICRO 47
 L37 1-410-482-31 s MICRO 100

L38 1-410-482-31 s MICRO 100
 L39 1-410-482-31 s MICRO 100
 L40 1-410-482-31 s MICRO 100
 L42 1-410-482-31 s MICRO 100
 L43 1-410-482-31 s MICRO 100

L44 1-410-482-31 s MICRO 100
 L45 1-410-482-31 s MICRO 100
 L46 1-410-482-31 s MICRO 100
 L47 1-410-459-11 s MICRO 1.2
 L48 1-410-461-41 s MICRO 1.8

L49 1-410-482-31 s MICRO 100
 L52 1-410-482-31 s MICRO 100
 L53 1-410-482-31 s MICRO 100
 L54 1-410-482-31 s MICRO 100
 L302 1-410-482-31 s MICRO 100

L305 1-410-471-11 s MICRO 12
 L306 1-410-482-31 s MICRO 100
 L307 1-410-482-31 s MICRO 100
 L308 1-410-482-31 s MICRO 100
 L309 1-410-482-31 s MICRO 100

L310 1-410-482-31 s MICRO 100
 L312 1-410-482-31 s MICRO 100
 L313 1-410-482-31 s MICRO 100
 L314 1-410-482-31 s MICRO 100
 L316 1-410-473-11 s MICRO 18

L317 1-410-470-11 s MICRO 10
 L318 1-410-482-31 s MICRO 100
 L319 1-410-482-31 s MICRO 100
 L320 1-410-482-31 s MICRO 100
 L321 1-410-482-31 s MICRO 100

L322 1-459-155-00 s 45 (WITH CORE)
 L323 1-459-155-00 s 45 (WITH CORE)
 L324 1-459-155-00 s 45 (WITH CORE)
 L325 1-459-155-00 s 45 (WITH CORE)
 L326 1-410-482-31 s MICRO 100

L327 1-410-482-31 s MICRO 100
 L328 1-410-468-11 s MICRO 6.8
 L329 1-410-468-11 s MICRO 6.8
 L330 1-459-155-00 s 45 (WITH CORE)
 L331 1-410-482-31 s MICRO 100

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

L332 1-410-482-31 s MICRO 100
 L333 1-410-482-31 s MICRO 100
 L336 1-410-482-31 s MICRO 100
 L337 1-410-482-31 s MICRO 100
 L339 1-410-482-31 s MICRO 100

L340 1-410-459-11 s MICRO 1.2
 L342 1-410-482-31 s MICRO 100
 L343 1-410-482-31 s MICRO 100
 L345 1-410-482-31 s MICRO 100
 L346 1-410-482-31 s MICRO 100

L1001 1-410-468-11 s MICRO 6.8

Q1 8-729-101-25 s 2SC1009A
 Q2 8-729-101-25 s 2SC1009A
 Q3 8-729-101-25 s 2SC1009A
 Q4 8-729-101-25 s 2SC1009A
 Q5 8-729-101-25 s 2SC1009A

Q6 8-729-101-25 s 2SC1009A
 Q7 8-729-101-25 s 2SC1009A
 Q8 8-729-101-25 s 2SC1009A
 Q9 8-729-101-25 s 2SC1009A
 Q10 8-729-202-38 s 2SC3326N

Q11 8-729-202-38 s 2SC3326N
 Q12 8-729-202-38 s 2SC3326N
 Q13 8-729-202-38 s 2SC3326N
 Q14 8-729-101-25 s 2SC1009A
 Q15 8-729-101-25 s 2SC1009A

Q16 8-729-101-25 s 2SC1009A
 Q17 8-729-101-25 s 2SC1009A
 Q18 8-729-101-25 s 2SC1009A
 Q19 8-729-101-25 s 2SC1009A
 Q20 8-729-101-25 s 2SC1009A

Q21 8-729-101-25 s 2SC1009A
 Q22 8-729-101-25 s 2SC1009A
 Q23 8-729-202-38 s 2SC3326N
 Q24 8-729-202-38 s 2SC3326N
 Q25 8-729-101-25 s 2SC1009A

Q26 8-729-202-38 s 2SC3326N
 Q27 8-729-101-25 s 2SC1009A
 Q28 8-729-101-25 s 2SC1009A
 Q29 8-729-101-25 s 2SC1009A
 Q30 8-729-101-25 s 2SC1009A

Q31 8-729-122-63 s 2SA1226
 Q32 8-729-122-63 s 2SA1226
 Q33 8-729-101-25 s 2SC1009A
 Q34 8-729-102-07 s 2SC2223
 Q35 8-729-101-25 s 2SC1009A

Q36 8-729-101-25 s 2SC1009A
 Q37 8-729-101-25 s 2SC1009A
 Q38 8-729-101-25 s 2SC1009A
 Q39 8-729-101-25 s 2SC1009A
 Q40 8-729-101-25 s 2SC1009A

Q41 8-729-101-25 s 2SC1009A
 Q42 8-729-202-38 s 2SC3326N
 Q43 8-729-101-25 s 2SC1009A
 Q44 8-729-101-25 s 2SC1009A
 Q45 8-729-101-25 s 2SC1009A

Ref.No. Parts No. SP Description

Q47 8-729-122-63 s 2SA1226
 Q48 8-729-202-38 s 2SC3326N
 Q49 8-729-101-25 s 2SC1009A
 Q50 8-729-101-25 s 2SC1009A
 Q51 8-729-101-25 s 2SC1009A

Q52 8-729-101-25 s 2SC1009A
 Q53 8-729-101-25 s 2SC1009A
 Q54 8-729-101-25 s 2SC1009A
 Q56 8-729-101-25 s 2SC1009A
 Q57 8-729-101-25 s 2SC1009A

Q58 8-729-101-25 s 2SC1009A
 Q59 8-729-101-25 s 2SC1009A
 Q60 8-729-101-25 s 2SC1009A
 Q61 8-729-102-07 s 2SC2223
 Q62 8-729-102-07 s 2SC2223

Q63 8-729-102-07 s 2SC2223
 Q64 8-729-101-25 s 2SC1009A
 Q65 8-729-101-25 s 2SC1009A
 Q66 8-729-101-25 s 2SC1009A
 Q67 8-729-101-25 s 2SC1009A

Q68 8-729-101-25 s 2SC1009A
 Q69 8-729-101-25 s 2SC1009A
 Q70 8-729-101-25 s 2SC1009A
 Q71 8-729-101-25 s 2SC1009A
 Q72 8-729-101-25 s 2SC1009A

Q73 8-729-101-25 s 2SC1009A
 Q74 8-729-101-25 s 2SC1009A
 Q75 8-729-101-25 s 2SC1009A
 Q76 8-729-104-51 s 2SC1009A
 Q77 8-729-122-63 s 2SA1226

Q78 8-729-103-87 s 2SK94
 Q79 8-729-104-51 s 2SC1009A
 Q80 8-729-104-51 s 2SC1009A
 Q81 8-729-102-07 s 2SC2223
 Q82 8-729-104-51 s 2SC1009A

Q83 8-729-102-07 s 2SC2223
 Q84 8-729-102-07 s 2SC2223
 Q85 8-729-102-07 s 2SC2223
 Q86 8-729-102-07 s 2SC2223
 Q87 8-729-900-36 s DTC124ES

Q105 8-729-102-07 s 2SC2223
 Q302 8-729-101-25 s 2SC1009A
 Q303 8-729-101-25 s 2SC1009A
 Q304 8-729-101-25 s 2SC1009A
 Q305 8-729-202-38 s 2SC3326N

Q306 8-729-101-25 s 2SC1009A
 Q307 8-729-101-25 s 2SC1009A
 Q308 8-729-202-38 s 2SC3326N
 Q309 8-729-202-38 s 2SC3326N
 Q310 8-729-202-38 s 2SC3326N

Q311 8-729-202-38 s 2SC3326N
 Q312 8-729-101-25 s 2SC1009A
 Q313 8-729-101-25 s 2SC1009A
 Q314 8-729-101-25 s 2SC1009A
 Q315 8-729-101-25 s 2SC1009A

Q316 8-729-101-25 s 2SC1009A
 Q317 8-729-101-25 s 2SC1009A
 Q318 8-729-101-25 s 2SC1009A
 Q319 8-729-101-25 s 2SC1009A
 Q320 8-729-101-25 s 2SC1009A

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description	Ref.No.	Parts No.	SP	Description
Q321	8-729-202-38	s	2SC3326N	R154	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
Q322	8-729-101-25	s	2SC1009A	R155	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
Q323	8-729-101-25	s	2SC1009A	R156	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
Q324	8-729-202-38	s	2SC3326N	R157	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
Q325	8-729-101-25	s	2SC1009A	R158	1-216-654-11	s	METAL CHIP 1.3k 0.50% 1/10W
Q326	8-729-101-25	s	2SC1009A	R159	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
Q327	8-729-122-63	s	2SA1226	R160	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
Q328	8-729-122-63	s	2SA1226	R161	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
Q329	8-729-101-25	s	2SC1009A	R162	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
Q330	8-729-101-25	s	2SC1009A	R163	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
Q331	8-729-101-25	s	2SC1009A	R164	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
Q332	8-729-101-25	s	2SC1009A	R165	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
Q333	8-729-101-25	s	2SC1009A	R166	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
Q334	8-729-101-25	s	2SC1009A	R167	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
Q335	8-729-101-25	s	2SC1009A	R169	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
Q336	8-729-202-38	s	2SC3326N	R170	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
Q337	8-729-101-25	s	2SC1009A	R171	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
Q338	8-729-101-25	s	2SC1009A	R172	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
Q339	8-729-101-25	s	2SC1009A	R177	1-216-642-11	s	METAL CHIP 430 0.50% 1/10W
Q340	8-729-101-25	s	2SC1009A	R179	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
Q341	8-729-101-25	s	2SC1009A	R181	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
Q342	8-729-122-63	s	2SA1226	R182	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
Q343	8-729-202-38	s	2SC3326N	R184	1-216-629-11	s	METAL CHIP 120 0.50% 1/10W
Q344	8-729-122-63	s	2SA1226	R186	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
Q345	8-729-101-25	s	2SC1009A	R187	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
Q346	8-729-101-25	s	2SC1009A	R188	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
Q347	8-729-101-25	s	2SC1009A	R189	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
Q348	8-729-102-07	s	2SC2223	R190	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
Q349	8-729-900-36	s	DTCI24ES	R193	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
Q841	8-729-101-25	s	2SC1009A	8) R196	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
Q1001	8-729-102-07	s	2SC2223	R199	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R10	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	R203	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R20	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	R204	1-216-641-11	s	METAL CHIP 390 0.50% 1/10W
R22	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R206	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R31	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R207	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R36	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R208	1-216-637-11	s	METAL CHIP 270 0.50% 1/10W
R37	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	R211	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R51	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W	R216	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
R61	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W	R217	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
R62	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W	R220	1-216-638-11	s	METAL CHIP 300 0.50% 1/10W
R70	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R221	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
R71	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W	R222	1-216-623-11	s	METAL CHIP 68 0.50% 1/10W
8) R77	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W	R229	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W
R79	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W	R230	1-216-690-11	s	METAL CHIP 43k 0.50% 1/10W
R80	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R231	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R81	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W	R240	1-218-176-11	s	METAL CHIP 289 0.10% 1/16W
R94	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R241	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R96	1-247-217-00	s	CARBON 110 5% 1/2W	R244	1-216-030-00	s	METAL CHIP 160 0.50% 1/10W
R104	1-216-650-11	s	METAL CHIP 910 0.50% 1/10W	R246	1-216-642-11	s	METAL CHIP 430 0.50% 1/10W
R105	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W	R255	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R107	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W	R256	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
8) R119	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W	R262	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
R128	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W	R268	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R129	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W	R273	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R137	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R278	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R142	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W	R279	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R145	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W	R285	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
8) R148	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W	R286	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R151	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R291	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R152	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R293	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R153	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R294	1-216-667-11	s	METAL CHIP 4.7k 0.05% 1/19W
				R299	1-218-178-11	s	METAL CHIP 1002 0.10% 1/16W
				R306	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W
				R318	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
				R320	1-218-177-11	s	METAL CHIP 1001 0.10% 1/16W

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Ref.No.	Parts No.	SP	Description			
R323	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R333	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R335	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R336	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R341	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R354	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W	
R363	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R364	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R372	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R374	1-216-687-11	s	METAL CHIP 33k	0.50%	1/10W	
8) R377	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W	
R378	1-218-175-11	s	METAL CHIP 267	0.10%	1/16W	
R380	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W	
R382	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R406	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W	
R407	1-216-669-11	s	METAL CHIP 5.6k	0.50%	1/10W	
R415	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R416	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R421	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R422	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W	
R423	1-216-653-11	s	METAL CHIP 1.2k	0.50%	1/10W	
R426	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R427	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R428	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R429	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R430	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R431	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R432	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R433	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W	
R434	1-216-631-11	s	METAL CHIP 150	0.50%	1/10W	
R435	1-216-650-11	s	METAL CHIP 910	0.50%	1/10W	
R436	1-216-649-11	s	METAL CHIP 820	0.50%	1/10W	
R437	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W	
R438	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W	
R439	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W	
R440	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W	
R441	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W	
R443	1-216-631-11	s	METAL CHIP 150	0.50%	1/10W	
R444	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W	
R448	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R450	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R451	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R455	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R458	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W	
R459	1-216-638-11	s	METAL CHIP 300	0.50%	1/10W	
R460	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W	
R461	1-216-645-11	s	METAL CHIP 560	0.50%	1/10W	
R462	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W	
R463	1-216-633-11	s	METAL CHIP 180	0.50%	1/10W	
R464	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W	
R465	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R469	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R472	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W	
R474	1-216-615-11	s	METAL CHIP 33	0.50%	1/10W	
R476	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R480	1-216-623-11	s	METAL CHIP 68	0.50%	1/10W	
R490	1-216-690-11	s	METAL CHIP 43k	0.50%	1/10W	
R496	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R498	1-216-654-11	s	METAL CHIP 1.3k	0.50%	1/10W	
R504	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W	

Ref.No.	Parts No.	SP	Description		
R532	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W
R601	1-216-640-11	s	METAL CHIP 360	0.50%	1/10W
R602	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W
R603	1-216-640-11	s	METAL CHIP 360	0.50%	1/10W
R610	1-216-650-11	s	METAL CHIP 910	0.50%	1/10W
R613	1-216-637-11	s	METAL CHIP 270	0.50%	1/10W
R614	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W
R615	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W
R621	1-216-650-11	s	METAL CHIP 910	0.50%	1/10W
R803	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W
R841	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R842	1-216-658-11	s	METAL CHIP 2k	0.50%	1/10W
RB301	1-231-411-00	s	100k x 8		
RV1	1-228-457-00	s	VAR, CERMET	2k	
RV2	1-228-457-00	s	VAR, CERMET	2k	
RV3	1-228-459-00	s	VAR, CERMET	10k	
RV4	1-228-459-00	s	VAR, CERMET	10k	
RV5	1-228-459-00	s	VAR, CERMET	10k	
RV6	1-228-454-00	s	VAR, CERMET	200	
RV7	1-237-51 5-21	s	VAR, CERMET	1k	
RV8	1-237-51 5-21	s	VAR, CERMET	1k	
RV9	1-237-51 5-21	s	VAR, CERMET	1k	
RV10	1-237-51 5-21	s	VAR, CERMET	1k	
RV11	1-228-457-00	s	VAR, CERMET	2k	
RV12	1-228-459-00	s	VAR, CERMET	10k	
RV13	1-228-459-00	s	VAR, CERMET	10k	
RV14	1-228-456-00	s	VAR, CERMET	1k	
RV15	1-228-459-00	s	VAR, CERMET	10k	
RV16	1-228-459-00	s	VAR, CERMET	10k	
RV17	1-228-454-00	s	VAR, CERMET	200	
RV18	1-228-457-00	s	VAR, CERMET	2k	
RV19	1-228-455-00	s	VAR, CERMET	500	
RV21	1-228-457-00	s	VAR, CERMET	5k	
RV22	1-228-457-00	s	VAR, CERMET	5k	
RV23	1-228-456-00	s	VAR, CERMET	1k	
RV24	1-228-456-00	s	VAR, CERMET	1k	
RV25	1-228-457-00	s	VAR, CERMET	2k	
RV26	1-228-462-00	s	VAR, CERMET	100k	
RV27	1-237-51 5-21	s	VAR, CERMET	1k	
RV29	1-228-457-00	s	VAR, CERMET	2k	
RV30	1-228-462-00	s	VAR, CERMET	100k	
RV31	1-228-456-00	s	VAR, CERMET	1k	
9) RV32	1-228-457-00	s	VAR, CERMET	2k	
10) RV32	1-228-458-00	s	VAR, CERMET	5k	
RV33	1-228-457-00	s	VAR, CERMET	2k	
RV34	1-228-456-00	s	VAR, CERMET	1k	
RV35	1-228-456-00	s	VAR, CERMET	1k	
RV36	1-228-462-00	s	VAR, CERMET	100k	
RV38	1-228-462-00	s	VAR, CERMET	100k	
RV39	1-228-457-00	s	VAR, CERMET	5k	
RV40	1-228-457-00	s	VAR, CERMET	5k	
RV41	1-228-457-00	s	VAR, CERMET	2k	
RV42	1-228-457-00	s	VAR, CERMET	2k	
RV301	1-228-457-00	s	VAR, CERMET	2k	
RV302	1-228-459-00	s	VAR, CERMET	10k	
RV303	1-228-457-00	s	VAR, CERMET	2k	
RV304	1-228-459-00	s	VAR, CERMET	10k	
RV305	1-228-457-00	s	VAR, CERMET	2k	

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

DM-56, DP-71/72/73

Ref.No.	Parts No.	SP	Description
RV306	1-228-457-00	s	VAR, CERMET 2k
RV307	1-237-515-21	s	VAR, CERMET 1k
RV308	1-237-515-21	s	VAR, CERMET 1k
RV309	1-237-515-21	s	VAR, CERMET 1k
RV310	1-237-515-21	s	VAR, CERMET 1k
RV311	1-228-457-00	s	VAR, CERMET 2k
RV312	1-228-459-00	s	VAR, CERMET 10k
RV313	1-228-460-00	s	VAR, CERMET 20k
RV314	1-228-455-00	s	VAR, CERMET 500
RV315	1-237-516-21	s	VAR, CERMET 2k
RV316	1-237-515-21	s	VAR, CERMET 1k
RV317	1-228-455-00	s	VAR, CERMET 500
RV318	1-228-461-00	s	VAR, CERMET 50k
RV319	1-228-462-00	s	VAR, CERMET 100k
RV321	1-228-460-00	s	VAR, CERMET 20k
RV322	1-228-456-00	s	VAR, CERMET 1k
RV323	1-228-456-00	s	VAR, CERMET 1k
RV324	1-228-457-00	s	VAR, CERMET 5k
RV325	1-228-455-00	s	VAR, CERMET 500
RV350	1-228-457-00	s	VAR, CERMET 2k
RV601	1-228-457-00	s	VAR, CERMET 2k
S1	1-564-947-11	s	DIP
S2	1-552-509-00	s	DIP
S3	1-552-509-00	s	DIP
S301	1-564-947-11	s	DIP
S302	1-552-509-00	s	DIP
S303	1-552-509-00	s	DIP
SP1	1-560-733-00	s	PIN, SHORT
SP2	1-560-733-00	s	PIN, SHORT
SP3	1-560-733-00	s	PIN, SHORT
SP302	1-566-388-11	s	2P
SS1	1-565-413-11	s	RECEPTACLE 2P
SS3	1-561-832-00	s	SOCKET, SHORT
SS301	1-565-413-11	s	RECEPTACLE 2P
TH1	1-565-112-XX	s	S-10K
TH3	1-800-200-00	s	S-3K
TH4	1-800-200-00	s	S-3K
TH301	1-800-202-XX	s	S-10K
TH302	1-800-200-00	s	S-3K

Ref.No. Parts No. SP Description

DP-71 BOARD

All the component parts on the DP-71 board are supplied together when you order the key chassis ass'y.

1-622-556-11 o PRINTED CIRCUIT BOARD, DP-71

D60	8-719-942-19	s	LB402V
D61	8-719-942-19	s	LB402V
D62	8-719-942-19	s	LB402V
D63	8-719-942-19	s	LB402V

S29	1-552-539-00	s	KEY BOARD
S30	1-552-539-00	s	KEY BOARD
S31	1-552-539-00	s	KEY BOARD

DP-72 BOARD

1-622-591-12 o PRINTED CIRCUIT BOARD, DP-72

D1	8-719-800-89	s	TLY255
D2	8-719-800-89	s	TLY255
D3	8-719-800-89	s	TLY255
D4	8-719-800-89	s	TLY255

DP-73 BOARD

All the component parts on the DP-73 board are supplied together when you order the indication tube ass'y.

C101 1-124-343-00 s ELECT 2200 20% 16V

L101	1-459-155-00	s	45 (WITH CORE)
L102	1-459-155-00	s	45 (WITH CORE)

R101	1-207-620-11	s	WIRE 1 10% 3W
R102	1-532-675-21	s	IC LINK

S101	1-571-258-11	s	SLIDE
S102	1-571-258-11	s	SLIDE

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

DP-74 BOARD

All the component parts on the DP-74 board are supplied together when you order the indication tube ass'y.

C5	1-124-225-00	s	ELECT	100	20%	6.3V
C6	1-124-248-00	s	ELECT	22	20%	35V
C8	1-124-584-00	s	ELECT	100	20%	10V
C9	1-124-584-00	s	ELECT	100	20%	10V
C13	1-124-255-00	s	ELECT	1	20%	50V
C14	1-124-224-00	s	ELECT	47	20%	6.3V

CN1 1-535-900-11 o WIRE, JUMPER

D1	8-719-100-17	s	RD3.3ES-B1
D2	8-719-100-05	s	1S2837
D3	8-719-109-70	s	RD3.9ES-B
D4	8-719-100-05	s	1S2837
D5	8-719-100-05	s	1S2837

IC1	8-759-942-62	s	MB88515B-280M (FUJITSU)
IC2	8-759-904-71	s	MSL917RS (OKI)

Q1	8-729-901-06	s	DTA144Ek
Q2	8-729-901-06	s	DTA144Ek
Q3	8-729-901-06	s	DTA144Ek
Q4	8-729-271-23	s	2SC2712
Q5	8-729-271-23	s	2SC2712

RV1 1-228-471-11 s VAR, CERMET 1k

X1 1-579-693-11 s VIBRATOR 6.00MHz

DR-56 BOARD

1-622-561-12 o PRINTED CIRCUIT BOARD, DR-56

Q1	8-729-376-83	s	2SA768-Y
Q2	8-729-402-10	s	2SD1276A
Q3	8-729-402-10	s	2SD1276A
Q4	8-729-402-10	s	2SD1276A
Q5	8-729-402-10	s	2SD1276A

Q6	8-729-402-10	s	2SD1276A
Q7	8-729-402-10	s	2SD1276A
Q8	8-729-376-83	s	2SA768-Y
Q9	8-729-102-57	s	2SC3012
Q10	8-729-114-11	s	2SA1141

Q11	8-729-114-11	s	2SA1141
Q12	8-729-102-57	s	2SC3012

Ref.No. Parts No. SP Description

DT-13 BOARD

IC21 8-759-092-90 o 2764-BVW75V1.05DT

A-6715-359-A o MOUNTED CIRCUIT BOARD, DT-13

C100	1-124-236-00	s	ELECT	47	20%	10V
C101	1-124-236-00	s	ELECT	47	20%	10V
C102	1-124-236-00	s	ELECT	47	20%	10V
C214	1-124-462-00	s	ELECT	10	20%	16V
C215	1-124-236-00	s	ELECT	47	20%	10V

CN1 1-506-748-11 s DIN 96P

D10	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D201	8-719-911-19	s	1SS119
D202	8-719-101-97	s	1SS97-1

D203	8-719-911-19	s	1SS119
D204	8-719-911-19	s	1SS119
D205	8-719-911-19	s	1SS119
D302	8-719-911-19	s	1SS119
D303	8-719-911-19	s	1SS119

D305	8-719-800-60	s	LN25RP
D306	8-719-101-97	s	1SS97-1

IC1	8-759-145-58	s	uPC4558C (NEC)
IC3	8-759-926-65	s	SN74HC368NS (TI)
IC4	8-759-145-58	s	uPC4558C (NEC)
IC5	8-759-729-03	s	NJM2903D (JRC)
IC6	8-759-200-80	s	TC4050BF (TOSHIBA)

IC7	8-759-207-74	s	TC4030BFHB (TOSHIBA)
IC9	8-759-200-67	s	TC4001BF (TOSHIBA)
IC10	8-759-200-84	s	TC4081BF (TOSHIBA)
IC11	8-759-200-90	s	TC4538BF (TOSHIBA)
IC15	8-759-914-74	s	MSM5204ARS (OKI)

IC19	8-759-204-71	s	TC40H163F (TOSHIBA)
IC20	8-759-072-59	s	TMP284C011BF-6 (TOSHIBA)
IC22	8-752-323-64	s	CKX5816M-12L (SONY)
IC23	8-759-204-60	s	TC40H139F (TOSHIBA)
IC24	8-759-201-63	s	TC40H032F (TOSHIBA)

IC26	8-759-208-41	s	TMP284C30AP-6 (TOSHIBA)
IC27	8-759-205-06	s	TC74HC74F (TOSHIBA)
IC28	8-759-938-68	s	CXD1095Q (SONY)
IC35	8-759-910-83	s	TL072ACP (TI)
IC37	8-759-208-11	s	TC4053BFHB (TOSHIBA)

IC38	8-759-208-11	s	TC4053BFHB (TOSHIBA)
IC40	8-759-145-58	s	uPC4558C (NEC)
IC42	8-759-205-78	s	TC504013BF (TOSHIBA)

Q201	8-729-600-27	s	2SC634SP
Q306	8-729-600-27	s	2SC634SP

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

RI51	1-247-895-00	s	CARBON	470k	5%	1/4W
R230	1-247-887-00	s	CARBON	220k	5%	1/4W
RB201	1-231-387-00	s	NETTY			
RB202	1-231-387-00	s	NETTY			
RB203	1-232-029-11	s	COMPOSITION CIRCUIT BLOCK			
RB204	1-232-235-11	s	COMPOSITION CIRCUIT BLOCK			
RB301	1-231-387-00	s	NETTY			
RB302	1-231-387-00	s	NETTY			
RV205	1-237-518-21	s	VAR, CERMET	10k		
RV206	1-237-518-21	s	VAR, CERMET	10k		
S201	1-553-572-00	s	DIP (PIANO TYPE)			
S202	1-552-539-00	s	KEY BOARD			
X201	1-567-865-11	s	VIBRATOR	12.00MHz		

DT-14 BOARD

2) This board includes the DUS-282 board.

A-6715-360-A o MOUNTED CIRCUIT BOARD, DT-14

C9	1-136-153-00	s	MYLAR	0.01	10%	50V
C10	1-162-710-11	s	CERAMIC	100pF	1%	50V
C11	1-136-165-00	s	MYLAR	0.1	10%	50V
C12	1-136-153-00	s	MYLAR	0.01	10%	50V
C14	1-136-153-00	s	MYLAR	0.01	10%	50V
C16	1-136-155-00	s	MYLAR	0.015	10%	50V
C17	1-136-153-00	s	MYLAR	0.01	10%	50V
C19	1-162-722-11	s	CERAMIC	330pF	1%	50V
C20	1-136-157-00	s	MYLAR	0.022	10%	50V
C21	1-136-153-00	s	MYLAR	0.01	10%	50V
C22	1-136-153-00	s	MYLAR	0.01	10%	50V
C23	1-136-153-00	s	MYLAR	0.01	10%	50V
C24	1-162-710-11	s	CERAMIC	100pF	1%	50V
C25	1-136-153-00	s	MYLAR	0.01	10%	50V
C26	1-136-165-00	s	MYLAR	0.1	10%	50V
C28	1-136-153-00	s	MYLAR	0.01	10%	50V
C30	1-136-155-00	s	MYLAR	0.015	10%	50V
C31	1-136-159-00	s	MYLAR	0.033	10%	50V
C32	1-136-161-00	s	MYLAR	0.047	10%	50V
C34	1-136-165-00	s	MYLAR	0.1	10%	50V
C35	1-136-159-00	s	MYLAR	0.033	10%	50V
C36	1-136-161-00	s	MYLAR	0.047	10%	50V
C38	1-106-357-00	s	MYLAR	0.0039	10%	50V
C39	1-106-357-00	s	MYLAR	0.0039	10%	50V
C40	1-136-153-00	s	MYLAR	0.01	10%	50V
C41	1-136-153-00	s	MYLAR	0.01	10%	50V
C42	1-136-153-00	s	MYLAR	0.01	10%	50V
C43	1-136-153-00	s	MYLAR	0.01	10%	50V
C45	1-136-165-00	s	MYLAR	0.1	10%	50V
C49	1-106-357-00	s	MYLAR	0.0039	10%	50V

Ref.No. Parts No. SP Description

C50	1-106-357-00	s	MYLAR	0.0039	10%	50V
C51	1-136-153-00	s	MYLAR	0.01	10%	50V
C52	1-136-153-00	s	MYLAR	0.01	10%	50V
C53	1-136-153-00	s	MYLAR	0.01	10%	50V
C54	1-136-153-00	s	MYLAR	0.01	10%	50V
C58	1-136-165-00	s	MYLAR	0.1	10%	50V
C59	1-136-165-00	s	MYLAR	0.1	10%	50V
C76	1-136-157-00	s	MYLAR	0.022	10%	50V
C77	1-136-157-00	s	MYLAR	0.022	10%	50V
C100	1-124-236-00	s	ELECT	47	20%	10V
C101	1-124-236-00	s	ELECT	47	20%	10V
C102	1-124-236-00	s	ELECT	47	20%	10V
C206	1-136-153-00	s	MYLAR	0.01	10%	50V
C301	1-136-153-00	s	MYLAR	0.01	10%	50V
C302	1-136-153-00	s	MYLAR	0.01	10%	50V
C304	1-124-236-00	s	ELECT	47	20%	10V
C305	1-124-236-00	s	ELECT	47	20%	10V
C313	1-162-714-11	s	CERAMIC	150pF	1%	50V
C314	1-124-234-00	s	ELECT	22	20%	16V
C316	1-162-726-11	s	CERAMIC	470pF	1%	50V
C317	1-136-153-00	s	MYLAR	0.01	10%	50V
C319	1-136-153-00	s	MYLAR	0.01	10%	50V
C320	1-136-165-00	s	MYLAR	0.1	10%	50V
C325	1-106-357-00	s	MYLAR	0.0039	10%	50V
C329	1-136-153-00	s	MYLAR	0.01	10%	50V
C338	1-136-157-00	s	MYLAR	0.022	10%	50V

CNI 1-506-748-11 s DIN 96P

D1	8-719-911-19	s	1SS119
D2	8-719-101-97	s	1SS97-1
D3	8-719-911-19	s	1SS119
D4	8-719-100-21	s	RD3.9E-B
D5	8-719-100-21	s	RD3.9E-B
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D16	8-719-911-19	s	1SS119
D17	8-719-911-19	s	1SS119
D301	8-719-911-19	s	1SS119
D304	8-719-911-19	s	1SS119

IC1	8-759-300-78	s	HD14538BFP (HITACHI)
IC2	8-759-205-78	s	TC504013BF (TOSHIBA)
IC3	8-759-145-58	s	uPC4558C (NEC)
IC4	8-759-145-58	s	uPC4558C (NEC)
IC5	8-759-145-58	s	uPC4558C (NEC)
IC6	8-759-145-58	s	uPC4558C (NEC)
IC7	8-759-145-58	s	uPC4558C (NEC)
IC8	8-759-145-58	s	uPC4558C (NEC)
IC9	8-759-300-78	s	HD14538BFP (HITACHI)
IC10	8-759-300-78	s	HD14538BFP (HITACHI)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC11 8-759-145-58 s uPC4558C (NEC)
 IC12 8-759-200-74 s TC4023BF (TOSHIBA)
 IC13 8-759-200-82 s TC4069UBF (TOSHIBA)
 IC14 8-759-200-68 s TC4011BF (TOSHIBA)
 IC15 8-759-145-58 s uPC4558C (NEC)

IC16 8-759-145-58 s uPC4558C (NEC)
 IC17 8-759-145-58 s uPC4558C (NEC)
 IC18 8-759-145-58 s uPC4558C (NEC)
 IC19 8-759-145-58 s uPC4558C (NEC)
 IC20 8-759-145-58 s uPC4558C (NEC)

IC21 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC22 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC23 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC43 8-759-205-78 s TC504013BF (TOSHIBA)
 IC44 8-759-300-78 s HD14538BFP (HITACHI)

IC45 8-759-207-74 s TC4030BFHB (TOSHIBA)
 IC46 8-759-300-78 s HD14538BFP (HITACHI)
 IC47 8-759-205-78 s TC504013BF (TOSHIBA)
 IC48 8-759-300-78 s HD14538BFP (HITACHI)
 IC50 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC51 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC101 8-752-006-13 s CX20061 (SONY)
 IC102 8-759-400-06 s AN608P (MATSUSHITA)
 IC103 8-759-324-11 s HA12411 (HITACHI)
 IC104 8-743-915-10 s BX3915A (SONY)

IC105 8-759-729-03 s NJM2903D (JRC)
 IC106 8-759-300-78 s HD14538BFP (HITACHI)

L301 1-410-482-31 s MICRO 100
 L303 1-410-468-11 s MICRO 6.8

Q1 8-729-201-05 s 2SC2878-B
 Q2 8-729-201-05 s 2SC2878-B
 Q301 8-729-173-37 s 2SA733-P
 Q302 8-729-266-93 s 2SC2669-Y
 Q303 8-729-201-05 s 2SC2878-B

Q304 8-729-266-93 s 2SC2669-Y
 Q305 8-729-201-05 s 2SC2878-B
 Q501 8-729-600-27 s 2SC643SP

R25 1-247-883-00 s CARBON 150k 5% 1/4W
 R37 1-247-887-00 s CARBON 220k 5% 1/4W
 R38 1-247-887-00 s CARBON 220k 5% 1/4W
 R52 1-247-883-00 s CARBON 150k 5% 1/4W
 R88 1-247-887-00 s CARBON 220k 5% 1/4W

R113 1-247-887-00 s CARBON 220k 5% 1/4W
 R505 1-247-885-00 s CARBON 180k 5% 1/4W
 R506 1-247-885-00 s CARBON 180k 5% 1/4W

RV2 1-237-520-21 s VAR, CERMET 50k
 RV3 1-237-520-21 s VAR, CERMET 50k
 RV4 1-237-520-21 s VAR, CERMET 50k
 RV5 1-237-520-21 s VAR, CERMET 50k
 RV6 1-237-518-21 s VAR, CERMET 10k

Ref.No. Parts No. SP Description

RV7 1-237-518-21 s VAR, CERMET 10k
 RV203 1-237-521-21 s VAR, CERMET 100k
 RV304 1-237-520-21 s VAR, CERMET 50k
 RV305 1-237-521-21 s VAR, CERMET 100k

S1 1-552-509-00 s DIP

DT-15 BOARD

A A-6715-355-A o MOUNTED CIRCUIT BOARD, DT-15

1-533-189-11 o HOLDER, FUSE

C1 1-136-161-00 s MYLAR 0.047 10% 50V
 C2 1-123-321-00 s ELECT 220 20% 16V
 C3 1-123-321-00 s ELECT 220 20% 16V
 C4 1-123-321-00 s ELECT 220 20% 16V
 C5 1-123-321-00 s ELECT 220 20% 16V

C6 1-123-321-00 s ELECT 220 20% 16V
 C7 1-123-321-00 s ELECT 220 20% 16V
 C8 1-130-834-00 s FILM 1 10% 63V
 C9 1-136-200-11 s FILM 0.15 10% 400V
 C10 1-136-200-11 s FILM 0.15 10% 400V

C11 1-136-200-11 s FILM 0.15 10% 400V
 C12 1-136-200-11 s FILM 0.15 10% 400V
 C13 1-136-200-11 s FILM 0.15 10% 400V
 C14 1-136-200-11 s FILM 0.15 10% 400V
 C15 1-136-161-00 s MYLAR 0.047 10% 50V

C16 1-136-161-00 s MYLAR 0.047 10% 50V
 C43 1-123-932-00 s ELECT 4.7 20% 160V
 C46 1-123-932-00 s ELECT 4.7 20% 160V
 C60 1-162-710-11 s CERAMIC 100pF 1% 50V
 C61 1-162-710-11 s CERAMIC 100pF 1% 50V

CN612 1-564-009-00 o 10P

D1 8-719-815-85 s 1S2076
 D2 8-719-924-06 s ERC24-06S
 D3 8-719-924-06 s ERC24-06S
 D4 8-719-924-06 s ERC24-06S
 D5 8-719-924-06 s ERC24-06S

D7 8-719-100-05 s 1S2837
 D8 8-719-100-03 s 1S2835
 D9 8-719-101-23 s 1SS123
 D11 8-719-109-97 s RD6.8ES-B2
 D12 8-719-101-23 s 1SS123

D15 8-719-100-03 s 1S2835

Δ F1 1-532-078-00 s TIME-LAG

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

IT-15, DUS-270/270C

Ref.No. Parts No. SP Description

IC7 8-759-945-58 s RC4558P (RAYTHEON)
IC8 8-759-945-58 s RC4558P (RAYTHEON)
IC9 8-759-945-58 s RC4558P (RAYTHEON)
IC10 8-759-945-58 s RC4558P (RAYTHEON)

L1 1-410-852-11 s CHOKE 138
L3 1-407-510-00 s MICRO 33
L4 1-407-510-00 s MICRO 33
L5 1-407-510-00 s MICRO 33
L6 1-407-510-00 s MICRO 33

Q1 8-729-101-68 s 2SC2654
Q2 8-729-101-68 s 2SC2654
Q6 8-729-105-97 s 2SA1156-2k
11) Q7 8-769-350-02 s 2SC1762
12) Q7 8-729-141-78 s 2SC3632-K

11) Q8 8-769-350-02 s 2SC1762
12) Q8 8-729-141-78 s 2SC3632-K
Q9 8-729-202-38 s 2SC3326N
Q10 8-729-216-21 s 2SA1162Y
Q11 8-729-118-43 s 2SA1413-L

Q12 8-729-105-97 s 2SA1156-2k
11) Q13 8-769-350-02 s 2SC1762
12) Q13 8-729-141-78 s 2SC3632-K
11) Q14 8-769-350-02 s 2SC1762
12) Q14 8-729-141-78 s 2SC3632-K

Q15 8-729-202-38 s 2SC3326N
Q16 8-729-216-21 s 2SA1162Y
Q17 8-729-118-43 s 2SA1413-L

R1 1-249-457-11 s CARBON 6.8 5% 1/4W
R2 1-247-700-11 s CARBON 100 5% 1/4W
R3 1-249-457-11 s CARBON 6.8 5% 1/4W
R4 1-247-713-11 s CARBON 1k 5% 1/4W
R47 1-214-929-00 s METAL 470k 1% 1/2W

R52 1-214-924-00 s METAL 300k 1% 1/2W
R54 1-214-915-00 s METAL 120k 1% 1/2W
R55 1-214-915-00 s METAL 120k 1% 1/2W
R58 1-247-755-11 s CARBON 1.8k 5% 1/2W
R65 1-214-929-00 s METAL 470k 1% 1/2W

R70 1-214-924-00 s METAL 300k 1% 1/2W
R72 1-214-915-00 s METAL 120k 1% 1/2W
R73 1-214-915-00 s METAL 120k 1% 1/2W
R76 1-247-755-11 s CARBON 1.8k 5% 1/2W

RV2 1-237-503-21 s VAR, CERMET 10k

T1 1-448-937-11 s TRANSFORMER, CONVERTER

Ref.No. Parts No. SP Description

DUS-270 BOARD

All the component parts on the DUS-270 board are supplied together when you order the VO-18 board.

C655 1-126-157-11 s ELECT 10 20% 16V

Q607 8-729-100-66 s 2SC1623
Q608 8-729-100-66 s 2SC1623

13) DUS-272C BOARD

All the component parts on the DUS-272C board are supplied together when you order the MD-46 board.

C4 1-135-125-95 s TANTAL 33 10% 10V
C5 1-163-094-00 s CERAMIC CHIP 11pF 5% 50V
C6 1-163-103-00 s CERAMIC CHIP 27pF 5% 50V
C10 1-135-093-21 s TANTAL 10 10% 10V
C14 1-163-104-00 s CERAMIC CHIP 30pF 5% 50V

CN1 1-565-897-11 o BOARD TO BOARD 18P

IC1 8-752-030-80 s CXA1039M (SONY)

Q1 8-729-201-27 s 2SC2715Y
Q2 8-729-201-27 s 2SC2715Y
Q3 8-729-201-27 s 2SC2715Y
Q4 8-729-201-27 s 2SC2715Y
Q5 8-729-201-27 s 2SC2715Y

Q6 8-729-102-07 s 2SC2223-F13
Q7 8-729-102-07 s 2SC2223-F13

R3 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
R6 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
R7 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
R8 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R10 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W

R11 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R12 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W
R13 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W
R17 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

RV1 1-228-471-11 s VAR, CERMET 1k
RV2 1-228-476-11 s VAR, CERMET 50k
RV3 1-228-471-11 s VAR, CERMET 1k

TH1 1-800-200-11 s S-3K

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

13) DUS-272Y BOARD

All the component parts on the DUS-272Y board are supplied together when you order the MD-46 board.

C4	1-135-125-95	s	TANTAL	33	10%	10V
C5	1-163-094-00	s	CERAMIC CHIP	11pF	5%	50V
C6	1-163-103-00	s	CERAMIC CHIP	27pF	5%	50V
C10	1-135-093-21	s	TANTAL	10	10%	10V

IC1 8-752-030-80 s CXA1039M (SONY)

Q1	8-729-201-27	s	2SC2715Y
Q2	8-729-201-27	s	2SC2715Y
Q3	8-729-201-27	s	2SC2715Y
Q4	8-729-201-27	s	2SC2715Y
Q5	8-729-201-27	s	2SC2715Y

Q6	8-729-102-07	s	2SC2223-F13
Q7	8-729-102-07	s	2SC2223-F13

R3	1-216-657-11	s	METAL CHIP 1.8k	0.50%	1/10W
R6	1-216-647-11	s	METAL CHIP 680	0.50%	1/10W
R7	1-216-657-11	s	METAL CHIP 1.8k	0.50%	1/10W
R8	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R10	1-216-654-11	s	METAL CHIP 1.3k	0.50%	1/10W

R11	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R12	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W
R13	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W
R17	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W

RV1	1-237-552-11	s	VAR, CERMET 1k
RV2	1-237-557-11	s	VAR, CERMET 50k
RV3	1-237-552-11	s	VAR, CERMET 1k

TH1 1-800-200-11 s S-3K

DUS-273 BOARD

All the component parts on the DUS-273 board are supplied together when you order the DEC-42 board.

1-627-651-11 o PRINTED CIRCUIT BOARD, DUS-273

R1	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W
R2	1-216-670-11	s	METAL CHIP 6.2k	0.50%	1/10W

RV1 1-228-457-11 s VAR, CERMET 2k

Ref.No. Parts No. SP Description

DUS-282 BOARD

All the component parts on the DUS-282 board are supplied together when you order the DT-14 board.

A-6724-647-A s MOUNTED CIRCUIT BOARD, DUS-282

IC53 8-759-908-92 s TL084CNS (TI)

DUS-570 BOARD

1-644-751-11 o PRINTED CIRCUIT BOARD, DUS-570

C401	1-163-038-00	s	CAP,CHIP CERAMIC	0.1	25V
C402	1-163-031-11	s	CAP,CHIP CERAMIC	0.01	50V
C403	1-126-394-11	s	CAP,CHIP ELECT	10	16V
C404	1-163-227-11	s	CAP,CHIP CERAMIC	10	50V

IC401 8-759-981-58 s RC2043MD (RAYTHEON)

EN-48 BOARD

A-6711-812-A o MOUNTED CIRCUIT BOARD, EN-48

C6	1-124-584-00	s	ELECT	100	20%	10V
C8	1-124-584-00	s	ELECT	100	20%	10V
C12	1-124-222-00	s	ELECT	22	20%	6.3V
C13	1-124-462-00	s	ELECT	10	20%	16V
C14	1-124-584-00	s	ELECT	100	20%	10V

C16	1-124-584-00	s	ELECT	100	20%	10V
C22	1-124-584-00	s	ELECT	100	20%	10V
C41	1-162-886-11	s	CERAMIC	390pF	5%	50V
C43	1-124-236-00	s	ELECT	47	20%	10V
C48	1-124-236-00	s	ELECT	47	20%	10V

C51	1-124-584-00	s	ELECT	100	20%	10V
C53	1-124-584-00	s	ELECT	100	20%	10V
C55	1-163-033-00	s	CERAMIC	0.022		50V
C56	1-124-236-00	s	ELECT	47	20%	10V
C59	1-124-236-00	s	ELECT	47	20%	10V

C61	1-163-033-00	s	CERAMIC	0.022		50V
C64	1-162-880-11	s	CERAMIC	120pF	5%	50V
C68	1-124-584-00	s	ELECT	100	20%	10V
C70	1-124-236-00	s	ELECT	47	20%	10V
C71	1-162-877-11	s	CERAMIC	82pF	5%	50V

C72	1-107-163-00	s	MICA	47pF	5%	500V
C77	1-124-584-00	s	ELECT	100	20%	10V
C81	1-124-584-00	s	ELECT	100	20%	10V
C85	1-124-236-00	s	ELECT	47	20%	10V
C86	1-162-886-11	s	CERAMIC	390pF	5%	50V

C89	1-161-463-00	s	CERAMIC	220pF	5%	50V
C92	1-124-584-00	s	ELECT	100	20%	10V
C111	1-124-584-00	s	ELECT	100	20%	10V
C112	1-124-225-00	s	ELECT	100	20%	6.3V
C115	1-124-584-00	s	ELECT	100	20%	10V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description				Ref.No.	Parts No.	SP	Description
C118	1-124-225-00	s	ELECT	100	20%	6.3V	IC37	8-759-929-99	s	SN74LS32NS (TI)
C126	1-124-584-00	s	ELECT	100	20%	10V	IC38	8-759-009-07	s	MC14053BF (MOTOROLA)
C130	1-124-584-00	s	ELECT	100	20%	10V	IC39	8-759-239-58	s	TC74HC221AF (TOSHIBA)
C134	1-124-225-00	s	ELECT	100	20%	6.3V	IC50	8-759-014-29	s	MC34184M (MOTOROLA)
C203	1-124-584-00	s	ELECT	100	20%	10V	IC51	8-752-015-81	s	CX20158 (SONY)
C204	1-124-584-00	s	ELECT	100	20%	10V	IC52	1-464-601-11	s	CIRCUIT UNIT, VA
C214	1-163-033-00	s	CERAMIC	0.022		50V	IC53	8-752-015-81	s	CX20158 (SONY)
C216	1-163-033-00	s	CERAMIC	0.022		50V	IC54	8-759-009-07	s	MC14053BF (MOTOROLA)
C603	1-124-462-00	s	ELECT	10	20%	16V	IC55	1-464-601-11	s	CIRCUIT UNIT, VA
C604	1-124-236-00	s	ELECT	47	20%	10V	IC56	8-759-009-07	s	MC14053BF (MOTOROLA)
C613	1-161-463-00	s	CERAMIC	220pF	5%	50V	IC60	1-808-743-11	s	CIRCUIT UNIT, VA
C702	1-107-163-00	s	MICA	47pF	5%	500V	IC70	8-759-908-17	s	TL082CPS (TI)
C711	1-124-584-00	s	ELECT	100	20%	10V	IC71	8-752-015-81	s	CX20158 (SONY)
							IC72	1-464-601-11	s	CIRCUIT UNIT, VA
							IC101	8-759-708-09	s	NJM78L09A (JRC)
CN102	1-506-748-11	s	DIN 96P				IC102	8-759-700-65	s	NJM79L05A (JRC)
							IC103	8-759-937-61	s	S-81230AG (SEIKO I AND E)
D1	8-719-100-03	s	1S2835				IC104	8-759-941-79	s	S-80230AG (SEIKO I AND E)
							IC105	8-759-908-15	s	TL431CLP (TI)
DL1	1-415-538-11	s	ACTIVE 100ns				IC106	8-759-708-05	s	NJM78L05A (JRC)
							IC107	8-759-708-08	s	NJM78L08A (JRC)
FL1	1-236-004-11	s	LOW-PASS	2.5MHz			IC108	8-759-700-65	s	NJM79L05A (JRC)
FL2	1-236-004-11	s	LOW-PASS	2.5MHz			IC109	8-759-700-67	s	NJM79L08A (JRC)
FL3	1-236-530-11	s	BANDPASS	3.58MHz			IC110	8-759-708-05	s	NJM78L05A (JRC)
FL4	1-236-117-11	s	BANDPASS	3.58MHz			IC111	8-759-708-08	s	NJM78L08A (JRC)
							IC112	8-759-700-65	s	NJM79L05A (JRC)
							IC113	8-759-700-67	s	NJM79L08A (JRC)
							IC114	8-759-908-15	s	TL431CLP (TI)
							IC201	8-759-012-02	s	MC10H124M (MOTOROLA)
							IC202	8-759-012-03	s	MC10H131M (MOTOROLA)
							IC203	8-759-011-98	s	MC10H13M (MOTOROLA)
IC1	8-759-014-29	s	MC34184M (MOTOROLA)				5) IC204	8-759-918-71	s	CX23065 (SONY)
IC2	1-808-743-11	s	CIRCUIT UNIT, VA				6) IC204	8-752-306-51	s	CX23065A (SONY)
IC3	8-759-009-07	s	MC14053BF (MOTOROLA)				IC206	8-759-930-56	s	SN74LS163ANS (TI)
IC4	8-759-906-59	s	CX22017 (SONY)				IC601	8-759-700-95	s	NJML496M (JRC)
IC5	8-752-053-97	s	CX20158 (SONY)				IC701	8-759-008-52	s	MC74HC123AF (MOTOROLA)
IC6	8-759-030-16	s	MC34182M (MOTOROLA)				IC702	8-759-902-88	s	SN74LS123NS (TI)
IC10	8-759-012-02	s	MC10H124M (MOTOROLA)				IC703	8-759-908-17	s	TL082CPS (TI)
IC11	8-759-012-03	s	MC10H131M (MOTOROLA)				IC705	8-759-030-16	s	MC34182M (MOTOROLA)
IC12	8-759-929-73	s	SN74LS00NS (TI)							
IC13	8-759-011-98	s	MC10H13M (MOTOROLA)				L13	1-410-478-11	s	MICRO 47
IC14	8-759-204-96	s	TC74HC04F (TOSHIBA)				L14	1-410-478-11	s	MICRO 47
IC15	8-759-007-50	s	MC74HC11F (MOTOROLA)				L16	1-410-478-11	s	MICRO 47
IC16	8-759-922-49	s	SN74LS74ANS (TI)				L17	1-410-478-11	s	MICRO 47
IC17	8-759-908-17	s	TL082CPS (TI)				L18	1-410-478-11	s	MICRO 47
IC18	8-759-008-52	s	MC74HC123AF (MOTOROLA)				L19	1-410-478-11	s	MICRO 47
IC19	8-759-907-81	s	SN74LS221NS (TI)				L20	1-410-470-11	s	MICRO 10
5) IC20	8-759-918-71	s	CX23065 (SONY)				L21	1-410-470-11	s	MICRO 10
6) IC20	8-752-306-51	s	CX23065A (SONY)				L22	1-410-478-11	s	MICRO 47
IC21	8-759-929-78	s	SN74LS04NS (TI)				L100	1-421-329-00	s	CHOKE
IC22	8-759-930-56	s	SN74LS163ANS (TI)				L101	1-421-329-00	s	CHOKE
IC24	8-759-941-27	s	MB4002PF (FUJITSU)				L102	1-421-329-00	s	CHOKE
IC25	8-759-922-49	s	SN74LS74ANS (TI)				L103	1-421-329-00	s	CHOKE
IC26	8-759-941-17	s	SN74LS06NS (TI)				L104	1-421-329-00	s	CHOKE
IC27	8-759-907-81	s	SN74LS221NS (TI)				L350	1-410-470-11	s	MICRO 10
IC31	8-759-922-49	s	SN74LS74ANS (TI)				L351	1-410-470-11	s	MICRO 10
IC32	8-759-907-81	s	SN74LS221NS (TI)				L352	1-410-468-11	s	MICRO 6.8
IC33	8-759-907-81	s	SN74LS221NS (TI)				L601	1-410-482-31	s	MICRO 100
IC34	8-759-205-06	s	TC74HC74F (TOSHIBA)				L602	1-410-478-11	s	MICRO 47
IC35	8-759-030-16	s	MC34182M (MOTOROLA)				L603	1-410-478-11	s	MICRO 47
IC36	8-759-907-81	s	SN74LS221NS (TI)							

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q1 8-729-100-66 s 2SC1623
 Q2 8-729-100-76 s 2SA812
 Q3 8-729-102-07 s 2SC2223
 Q4 8-729-100-66 s 2SC1623
 Q5 8-729-102-07 s 2SC2223

Q6 8-729-100-66 s 2SC1623
 Q7 8-729-100-76 s 2SA812
 Q8 8-729-100-66 s 2SC1623
 Q9 8-729-100-66 s 2SC1623
 Q10 8-729-100-66 s 2SC1623

Q11 8-729-100-66 s 2SC1623
 Q12 8-729-102-07 s 2SC2223
 Q13 8-729-100-76 s 2SA812
 Q14 8-729-100-76 s 2SA812
 Q16 8-729-122-63 s 2SA1226

Q18 8-729-100-66 s 2SC1623
 Q25 8-729-100-66 s 2SC1623
 Q601 8-729-100-66 s 2SC1623
 Q602 8-729-100-76 s 2SA812
 Q603 8-729-100-66 s 2SC1623

Q604 8-729-100-66 s 2SC1623
 Q605 8-729-100-66 s 2SC1623

R3 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W
 R4 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R5 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R6 1-216-654-11 s METAL CHIP 1.3k 0.50% 1/10W
 R14 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W

R15 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R18 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R22 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R23 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R27 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R29 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R30 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R31 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R33 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R39 1-216-639-11 s METAL CHIP 330 0.50% 1/10W

R40 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R41 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R42 1-216-651-11 s METAL CHIP 1.3k 0.50% 1/10W
 R48 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R49 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W

R52 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W
 R53 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R54 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R55 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R56 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W

R57 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R58 1-216-666-11 s METAL CHIP 4.3k 0.50% 1/10W
 R59 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R60 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W
 R61 1-216-645-11 s METAL CHIP 560 0.50% 1/10W

R62 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R63 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R65 1-216-634-11 s METAL CHIP 200 0.50% 1/10W
 R71 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R72 1-216-631-11 s METAL CHIP 150 0.50% 1/10W

R73 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R74 1-216-666-11 s METAL CHIP 4.3k 0.50% 1/10W
 R75 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R86 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R87 1-216-674-11 s METAL CHIP 9.1k 0.50% 1/10W

Ref.No. Parts No. SP Description

R96 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R97 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R98 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R99 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R100 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

R101 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R102 1-216-693-11 s METAL CHIP 56k 0.50% 1/10W
 R103 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R105 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W
 R106 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W

R107 1-216-668-11 s METAL CHIP 5.1k 0.50% 1/10W
 R119 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R120 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R121 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R122 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R123 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W
 R124 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
 R125 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R127 1-216-692-11 s METAL CHIP 51k 0.50% 1/10W
 R128 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W

R129 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R157 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R158 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W
 R163 1-216-682-11 s METAL CHIP 20k 0.50% 1/10W
 R164 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

R167 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R168 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R170 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R172 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R180 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W

R181 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R182 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R183 1-216-627-11 s METAL CHIP 100 0.50% 1/10W
 R187 1-216-611-11 s METAL CHIP 22 0.50% 1/10W
 R188 1-216-619-11 s METAL CHIP 47 0.50% 1/10W

R189 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R190 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R191 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R192 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R193 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

R195 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R196 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R210 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R211 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R212 1-216-629-11 s METAL CHIP 120 0.50% 1/10W

R213 1-216-629-11 s METAL CHIP 120 0.50% 1/10W
 R232 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R233 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R234 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R235 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

R236 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R237 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R238 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R239 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R244 1-216-692-11 s METAL CHIP 51k 0.50% 1/10W

R350 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R351 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R352 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R353 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R354 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R355 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
 R356 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R360 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R601 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R603 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R604	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R605	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R608	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R609	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R610	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R611	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R612	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R613	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R614	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R615	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R617	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R619	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R621	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R701	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R702	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R703	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R705	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R706	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R707	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R708	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R709	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R710	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R711	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R712	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R713	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R714	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R720	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
RV1	1-237-515-21	s	VAR, CERMET 1k
RV2	1-237-503-21	s	VAR, CERMET 10k
RV4	1-237-514-21	s	VAR, CERMET 500
RV5	1-237-514-21	s	VAR, CERMET 500
RV6	1-237-503-21	s	VAR, CERMET 10k
RV12	1-237-515-21	s	VAR, CERMET 1k
RV13	1-237-518-21	s	VAR, CERMET 10k
RV14	1-237-514-21	s	VAR, CERMET 500
RV17	1-237-518-21	s	VAR, CERMET 10k
RV19	1-237-517-21	s	VAR, CERMET 5k
RV20	1-237-516-21	s	VAR, CERMET 2k
RV21	1-237-518-21	s	VAR, CERMET 10k
RV22	1-237-517-21	s	VAR, CERMET 5k
RV25	1-237-519-21	s	VAR, CERMET 20k
RV26	1-237-520-21	s	VAR, CERMET 50k
RV27	1-237-518-21	s	VAR, CERMET 10k
RV28	1-237-517-21	s	VAR, CERMET 5k
RV30	1-237-503-21	s	VAR, CERMET 10k
RV31	1-237-503-21	s	VAR, CERMET 10k
RV32	1-237-516-21	s	VAR, CERMET 2k
RV33	1-237-512-21	s	VAR, CERMET 100
RV34	1-237-512-21	s	VAR, CERMET 100
RV35	1-230-838-11	s	VAR, METAL FILM 200
RV36	1-230-838-11	s	VAR, METAL FILM 200
RV40	1-237-503-21	s	VAR, CERMET 10k
RV41	1-230-838-11	s	VAR, CERMET 200
RV42	1-230-838-11	s	VAR, CERMET 200
RV203	1-237-501-21	s	VAR, CERMET 2k
RV601	1-237-518-21	s	VAR, CERMET 10k
RV602	1-237-505-21	s	VAR, CERMET 50k
RV701	1-237-517-21	s	VAR, CERMET 5k
RV702	1-237-517-21	s	VAR, CERMET 5k

Ref.No.	Parts No.	SP	Description
S1	1-570-857-11	s	SLIDE
S2	1-570-857-11	s	SLIDE
TH201	1-800-202-XX	s	S-10K
X1	1-577-089-11	s	OSCILLATOR 14.31818MHz
X201	1-577-089-11	s	OSCILLATOR 14.31818MHz

EX-116 BOARD

A-6729-474-A s MOUNTED CIRCUIT BOARD, EX-116

CN1	1-506-748-11	o	DIN 96P
CN2	1-506-748-11	o	DIN 96P
CN3	1-563-341-11	o	HOUSING, DIN 96P
CN4	1-563-341-11	o	HOUSING, DIN 96P

EX-134 BOARD

A-6729-475-A s MOUNTED CIRCUIT BOARD, EX-134

CN1	1-506-748-11	o	DIN 96P
CN2	1-563-341-11	o	HOUSING, DIN 96P

EX-151 BOARD

A-6729-476-A s MOUNTED CIRCUIT BOARD, EX-151

CN1	1-506-748-11	o	DIN 96P
CN2	1-506-746-11	o	DIN 96P
CN3	1-563-341-11	o	HOUSING, DIN 96P
	1-563-339-11	o	HOUSING, DIN 48P

FL-61 BOARD

All the component parts on the FL-61 board are supplied together when you order the AFM-1 board.

1-624-393-11 o PRINTED CIRCUIT BOARD, FL-61

CN101	1-564-983-11	o	B-B 8P
CN102	1-506-653-11	o	B-B 5P

FL109 1-236-122-11 s LOW-PASS 25kHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R101	1-216-658-11	s	METAL CHIP 2k 0.50% 1/10W
R102	1-216-658-11	s	METAL CHIP 2k 0.50% 1/10W

HC-11 BOARD

1-622-595-11 o PRINTED CIRCUIT BOARD, HC-11

3-174-974-01 o CASE, SHIELD TIMER

CPI 1-548-152-11 o HOURS METER

HP-33 BOARD

1-622-590-13 o PRINTED CIRCUIT BOARD, HP-33

C2 1-124-236-00 s ELECT 47 20% 10V
C3 1-124-236-00 s ELECT 47 20% 10V

IC1 8-759-745-56 s NJM4556D (JRC)
IC2 8-759-900-72 s NE5532P (SEGNETICS)

J1 1-507-863-31 s LARGE TYPE

R6 1-247-739-11 s CARBON 100 5% 1/2W
R10 1-247-739-11 s CARBON 100 5% 1/2W

KY-107 BOARD

All the component parts on the KY-107 board are supplied together when you order the key chassis ass'y.

1-622-554-11 o PRINTED CIRCUIT BOARD, KY-107

S32 1-552-539-00 s KEY BOARD
S33 1-552-539-00 s KEY BOARD
S34 1-552-539-00 s KEY BOARD

KY-108 BOARD

All the component parts on the KY-107 board are supplied together when you order the key chassis ass'y.

1-622-555-11 o PRINTED CIRCUIT BOARD, KY-108

D54 8-719-800-94 s TLUR144

Ref.No.	Parts No.	SP	Description
S35	1-552-539-00	s	KEY BOARD
S36	1-552-539-00	s	KEY BOARD
S37	1-552-539-00	s	KEY BOARD
S38	1-552-539-00	s	KEY BOARD

KY-96 BOARD

All the component parts on the KY-96 board are supplied together when you order the key chassis ass'y.

C1 1-124-252-00 s ELECT 0.33 20% 50V
C2 1-124-252-00 s ELECT 0.33 20% 50V
C4 1-126-176-11 s ELECT 220 10V
C6 1-126-176-11 s ELECT 220 10V
C13 1-124-462-00 s ELECT 10 20% 16V

C14 1-162-210-31 s CERAMIC 30pF
C15 1-162-210-31 s CERAMIC 30pF
C16 1-162-210-31 s CERAMIC 30pF
C17 1-162-210-31 s CERAMIC 30pF
C18 1-126-176-11 s ELECT 220 10V

C19 1-126-176-11 s ELECT 220 10V
C20 1-124-462-00 s ELECT 10 20% 16V
C21 1-124-462-00 s ELECT 10 20% 16V
C22 1-124-462-00 s ELECT 10 20% 16V
C23 1-124-462-00 s ELECT 10 20% 16V

C24 1-124-462-00 s ELECT 10 20% 16V
C25 1-124-462-00 s ELECT 10 20% 16V
C26 1-124-462-00 s ELECT 10 20% 16V
C27 1-124-462-00 s ELECT 10 20% 16V
C28 1-124-462-00 s ELECT 10 20% 16V

C29 1-124-462-00 s ELECT 10 20% 16V
C30 1-124-462-00 s ELECT 10 20% 16V
C31 1-124-462-00 s ELECT 10 20% 16V
C32 1-124-462-00 s ELECT 10 20% 16V
C33 1-124-462-00 s ELECT 10 20% 16V

C34 1-124-462-00 s ELECT 10 20% 16V
C35 1-124-462-00 s ELECT 10 20% 16V
C36 1-124-462-00 s ELECT 10 20% 16V
C37 1-124-462-00 s ELECT 10 20% 16V
C38 1-124-462-00 s ELECT 10 20% 16V

C39 1-124-462-00 s ELECT 10 20% 16V
C40 1-124-462-00 s ELECT 10 20% 16V
C41 1-124-462-00 s ELECT 10 20% 16V
C42 1-124-462-00 s ELECT 10 20% 16V
C43 1-124-462-00 s ELECT 10 20% 16V

C44 1-124-252-00 s ELECT 0.33 20% 50V
C45 1-126-176-11 s ELECT 220 10V
C46 1-124-462-00 s ELECT 10 20% 16V

D1 8-719-911-19 s 1SS119
D2 8-719-911-19 s 1SS119
D3 8-719-911-19 s 1SS119
D4 8-719-109-51 s RD2.0ES-B2
D5 8-719-109-51 s RD2.0ES-B2

D6 8-719-109-51 s RD2.0ES-B2
D7 8-719-109-51 s RD2.0ES-B2
D8 8-719-109-51 s RD2.0ES-B2
D9 8-719-109-51 s RD2.0ES-B2
D10 8-719-109-51 s RD2.0ES-B2

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D11 8-719-911-19 s 1SS119
 D12 8-719-911-19 s 1SS119
 D13 8-719-911-19 s 1SS119
 D14 8-719-911-19 s 1SS119
 D15 8-719-911-19 s 1SS119

D16 8-719-911-19 s 1SS119
 D17 8-719-911-19 s 1SS119
 D18 8-719-911-19 s 1SS119
 D19 8-719-911-19 s 1SS119
 D20 8-719-911-19 s 1SS119

D21 8-719-911-19 s 1SS119
 D22 8-719-911-19 s 1SS119
 D23 8-719-911-19 s 1SS119
 D24 8-719-911-19 s 1SS119
 D25 8-719-911-19 s 1SS119

D26 8-719-911-19 s 1SS119
 D27 8-719-911-19 s 1SS119
 D28 8-719-911-19 s 1SS119
 D29 8-719-911-19 s 1SS119
 D30 8-719-911-19 s 1SS119

D31 8-719-911-19 s 1SS119
 D32 8-719-911-19 s 1SS119
 D33 8-719-911-19 s 1SS119
 D34 8-719-911-19 s 1SS119
 D35 8-719-911-19 s 1SS119

D36 8-719-911-19 s 1SS119
 D37 8-719-911-19 s 1SS119
 D38 8-719-911-19 s 1SS119
 D39 8-719-911-19 s 1SS119
 D40 8-719-911-19 s 1SS119

D41 8-719-911-19 s 1SS119
 D42 8-719-911-19 s 1SS119
 D43 8-719-911-19 s 1SS119
 D44 8-719-911-19 s 1SS119
 D45 8-719-911-19 s 1SS119

D46 8-719-911-19 s 1SS119
 D47 8-719-911-19 s 1SS119
 D48 8-719-911-19 s 1SS119
 D49 8-719-802-11 s TLUG154
 D50 8-719-939-39 s GL-5HD8

D51 8-719-939-39 s GL-5HD8
 D52 8-719-939-39 s GL-5HD8
 D53 8-719-939-39 s GL-5HD8
 D55 8-719-939-39 s GL-5HD8
 D56 8-719-939-39 s GL-5HD8

D57 8-719-802-11 s TLUG154
 D58 8-719-939-39 s GL-5HD8
 D59 8-719-802-11 s TLUG154

IC1 8-759-632-07 s M5237L (MITSUBISHI)
 IC2 8-759-708-05 s NJM78L05A (JRC)
 IC3 8-759-937-29 s MB88201H-539N (FUJITSU)
 IC4 8-759-605-23 s M50747H-601SP (MITSUBISHI)
 IC5 8-759-645-16 s M54516P (MITSUBISHI)

IC6 8-759-645-16 s M54516P (MITSUBISHI)
 IC7 8-759-645-16 s M54516P (MITSUBISHI)
 IC8 8-759-708-05 s NJM78L05A (JRC)

L1 1-412-533-11 s MICRO 47
 L2 1-412-533-11 s MICRO 47

Ref.No. Parts No. SP Description

1) Q1 8-729-205-32 s 2SB553-Y
 Q2 8-729-275-42 s 2SC2754
 Q3 8-729-275-42 s 2SC2754
 Q4 8-729-904-51 s DTB123EK
 Q5 8-729-904-51 s DTB123EK

Q6 8-729-904-51 s DTB123EK
 Q7 8-729-904-51 s DTB123EK
 Q8 8-729-904-51 s DTB123EK
 Q9 8-729-904-51 s DTB123EK
 Q10 8-729-904-51 s DTB123EK

Q12 8-729-133-34 s 2SB733
 Q13 8-729-133-34 s 2SB733
 Q14 8-729-133-34 s 2SB733
 Q15 8-729-133-34 s 2SB733
 Q16 8-729-133-34 s 2SB733

Q17 8-729-133-34 s 2SB733
 Q18 8-729-133-34 s 2SB733
 Q19 8-729-133-34 s 2SB733
 Q20 8-729-900-67 s DTA124XS
 Q21 8-729-900-67 s DTA124XS

Q22 8-729-900-67 s DTA124XS
 Q23 8-729-900-67 s DTA124XS
 Q24 8-729-900-67 s DTA124XS
 Q25 8-729-900-67 s DTA124XS
 Q26 8-729-900-67 s DTA124XS

Q27 8-729-900-67 s DTA124XS
 Q28 8-729-900-67 s DTA124XS
 Q29 8-729-900-67 s DTA124XS
 Q30 8-729-900-67 s DTA124XS
 Q31 8-729-900-67 s DTA124XS

Q32 8-729-900-67 s DTA124XS
 Q33 8-729-900-67 s DTA124XS
 Q34 8-729-199-92 s 2SD999
 Q35 8-729-900-51 s DTA114TK
 Q36 8-729-199-92 s 2SD999

Q37 8-729-900-51 s DTA114TK
 Q38 8-729-199-92 s 2SD999
 Q39 8-729-900-51 s DTA114TK
 Q40 8-729-199-92 s 2SD999
 Q41 8-729-900-51 s DTA114TK

Q42 8-729-199-92 s 2SD999
 Q43 8-729-900-51 s DTA114TK
 Q44 8-729-199-92 s 2SD999
 Q45 8-729-900-51 s DTA114TK
 Q46 8-729-199-92 s 2SD999

Q47 8-729-900-51 s DTA114TK
 Q48 8-729-199-92 s 2SD999
 Q49 8-729-900-51 s DTA114TK
 Q50 8-729-199-92 s 2SD999
 Q51 8-729-900-51 s DTA114TK

Q52 8-729-199-92 s 2SD999
 Q53 8-729-900-51 s DTA114TK
 Q54 8-729-199-92 s 2SD999
 Q55 8-729-900-51 s DTA114TK
 Q56 8-729-199-92 s 2SD999

Q57 8-729-900-51 s DTA114TK
 Q58 8-729-199-92 s 2SD999
 Q59 8-729-900-51 s DTA114TK
 Q60 8-729-199-92 s 2SD999
 Q61 8-729-900-51 s DTA114TK

Q62 8-729-199-92 s 2SD999
 Q63 8-729-900-51 s DTA114TK
 Q64 8-729-199-92 s 2SD999
 Q65 8-729-900-51 s DTA114TK
 Q66 8-729-199-92 s 2SD999

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q67 8-729-900-51 s DTAL14TK
 Q68 8-729-199-92 s 2SD999
 Q69 8-729-900-51 s DTAL14TK
 Q70 8-729-199-92 s 2SD999
 Q71 8-729-900-51 s DTAL14TK

Q72 8-729-199-92 s 2SD999
 Q73 8-729-900-51 s DTAL14TK
 Q74 8-729-199-92 s 2SD999
 Q75 8-729-900-51 s DTAL14TK
 Q76 8-729-199-92 s 2SD999

Q77 8-729-900-51 s DTAL14TK
 Q78 8-729-199-92 s 2SD999
 Q79 8-729-900-51 s DTAL14TK
 Q80 8-729-199-92 s 2SD999
 Q81 8-729-600-27 s 2SC634SP

Q82 8-729-600-27 s 2SC634SP
 Q83 8-729-900-51 s DTAL14TK
 Q84 8-729-199-92 s 2SD999

R2 1-217-666-31 s SHORT 0.01 1/6W
 R62 1-247-700-11 s CARBON 100 5% 1/4W
 R63 1-247-700-11 s CARBON 100 5% 1/4W
 R64 1-247-700-11 s CARBON 100 5% 1/4W
 R65 1-247-700-11 s CARBON 100 5% 1/4W

R66 1-247-700-11 s CARBON 100 5% 1/4W
 R67 1-247-700-11 s CARBON 100 5% 1/4W
 R68 1-247-700-11 s CARBON 100 5% 1/4W
 R69 1-247-700-11 s CARBON 100 5% 1/4W
 R70 1-247-700-11 s CARBON 100 5% 1/4W

R71 1-247-700-11 s CARBON 100 5% 1/4W
 R110 1-247-702-11 s CARBON 150 5% 1/4W
 R113 1-247-702-11 s CARBON 150 5% 1/4W
 R116 1-247-702-11 s CARBON 150 5% 1/4W
 R119 1-247-702-11 s CARBON 150 5% 1/4W

R122 1-247-702-11 s CARBON 150 5% 1/4W
 R141 1-247-702-11 s CARBON 150 5% 1/4W
 R144 1-247-702-11 s CARBON 150 5% 1/4W
 R147 1-247-702-11 s CARBON 150 5% 1/4W
 R150 1-247-702-11 s CARBON 150 5% 1/4W

R153 1-247-702-11 s CARBON 150 5% 1/4W
 R156 1-247-702-11 s CARBON 150 5% 1/4W

S1 1-571-169-11 s TACTIL
 S2 1-571-169-21 s TACTIL
 S3 1-571-167-41 s TACTIL
 S4 1-571-167-31 s TACTIL
 S5 1-571-167-21 s TACTIL

S6 1-571-167-11 s TACTIL
 S7 1-571-167-11 s TACTIL
 S8 1-571-168-21 s TACTIL
 S9 1-571-167-11 s TACTIL
 S10 1-571-280-11 s TACTIL

S11 1-571-280-11 s TACTIL
 S12 1-571-280-11 s TACTIL
 S13 1-571-280-11 s TACTIL
 S14 1-571-280-11 s TACTIL
 S15 1-571-280-11 s TACTIL

S16 1-571-167-11 s TACTIL
 S17 1-571-167-11 s TACTIL
 S18 1-571-168-11 s TACTIL
 S19 1-571-167-11 s TACTIL
 S20 1-516-995-00 s LEVER SLIDE

Ref.No. Parts No. SP Description

S21 1-571-280-11 s TACTIL
 S22 1-571-280-11 s TACTIL
 S23 1-571-280-11 s TACTIL
 S24 1-571-280-11 s TACTIL
 S25 1-571-280-11 s TACTIL

S26 1-516-995-00 s LEVER SLIDE
 S27 1-516-961-00 s LEVER SLIDE
 S28 1-516-961-00 s LEVER SLIDE

X1 1-567-869-11 s VIBRATOR 9.83MHz
 X2 1-567-192-11 s OSCILLATOR 4.00MHz

MB-116 BOARD

A-6725-557-A o MOUNTED CIRCUIT BOARD, MB-116

1-562-210-11 s CONTACT

CN101 1-565-910-11 s HOUSING, DIN 96P
 CN102 1-565-910-11 s HOUSING, DIN 96P
 CN103 1-565-910-11 s HOUSING, DIN 96P
 CN104 1-565-910-11 s HOUSING, DIN 96P
 CN105 1-565-910-11 s HOUSING, DIN 96P

CN106 1-565-909-11 s HOUSING, DIN 48P
 CN107 1-565-910-11 s HOUSING, DIN 96P
 CN108 1-565-909-11 s HOUSING, DIN 48P
 CN109 1-565-910-11 s HOUSING, DIN 96P
 CN110 1-565-909-11 s HOUSING, DIN 48P

CN111 1-565-910-11 s HOUSING, DIN 96P
 CN112 1-565-909-11 s HOUSING, DIN 48P
 CN113 1-565-910-11 s HOUSING, DIN 96P
 CN123 1-566-342-11 s HEADER 30P
 CN125 1-566-394-21 o 8P

CN137 1-566-398-21 o 16P
 CN202 1-565-910-11 s HOUSING, DIN 96P
 CN203 1-565-910-11 s HOUSING, DIN 96P
 CN204 1-565-910-11 s HOUSING, DIN 96P
 CN205 1-565-910-11 s HOUSING, DIN 96P

CN206 1-565-910-11 s HOUSING, DIN 96P
 CN207 1-565-910-11 s HOUSING, DIN 96P
 CN208 1-565-910-11 s HOUSING, DIN 96P
 CN209 1-565-910-11 s HOUSING, DIN 96P
 CN210 1-565-910-11 s HOUSING, DIN 96P

CN211 1-566-312-11 s HEADER 50P
 CN212 1-566-312-11 s HEADER 50P
 CN213 1-564-199-00 o PIN HEADER, ANGLE 6P
 CN214 1-564-201-00 o PIN HEADER, ANGLE 10P
 CN215 1-566-405-11 o 30P

CN225 1-566-405-11 o 30P
 CN236 1-566-396-21 o 12P
 CN237 1-566-405-21 o 30P
 CN431 1-562-833-11 o HOUSING 7P
 CN432 1-562-800-11 o HOUSING 9P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

IB-117, MD-46

Ref.No. Parts No. SP Description

MB-117 BOARD

A-6725-558-A o MOUNTED CIRCUIT BOARD, MB-117

CN301 1-565-910-11 s HOUSING, DIN 96P
CN302 1-565-910-11 s HOUSING, DIN 96P
CN303 1-565-910-11 s HOUSING, DIN 96P
CN304 1-565-910-11 s HOUSING, DIN 96P
CN306 1-566-343-11 o HEADER 40P

CN307 1-566-496-11 o HEADER 50P
CN308 1-566-496-11 o HEADER 50P
CN310 1-566-311-11 s HEADER 10P
CN316 1-508-906-00 o M 10P

MD-46 BOARD

13) This board includes the DUS-272Y and DUS-272C boards.

A-6711-814-A o MOUNTED CIRCUIT BOARD, MD-46

C8 1-163-270-11 s CERAMIC 629pF 5% 50V
C10 1-124-462-00 s ELECT 10 20% 16V
C14 1-124-224-00 s ELECT 47 20% 6.3V
C18 1-124-462-00 s ELECT 10 20% 16V
C45 1-124-224-00 s ELECT 47 20% 6.3V

C100 1-124-224-00 s ELECT 47 20% 6.3V
C105 1-124-462-00 s ELECT 10 20% 16V
C136 1-124-224-00 s ELECT 47 20% 6.3V
C200 1-124-224-00 s ELECT 47 20% 6.3V
C206 1-124-471-00 s ELECT 1000 20% 6.3V

C207 1-124-471-00 s ELECT 1000 20% 6.3V
C209 1-126-103-11 s ELECT 470 20% 16V
C214 1-126-103-11 s ELECT 470 20% 16V
C296 1-162-890-11 s CERAMIC 820pF 5% 50V
C301 1-162-890-11 s CERAMIC 820pF 5% 50V

C305 1-124-224-00 s ELECT 47 20% 6.3V
C306 1-124-443-00 s ELECT 100 20% 6.3V
C308 1-124-443-00 s ELECT 100 20% 6.3V
C506 1-163-119-00 s CERAMIC 120pF 5% 50V
C507 1-163-119-00 s CERAMIC 120pF 5% 50V

CN104 1-506-748-11 s DIN 96P

D1 8-719-109-99 s RD7.5ES-B
D2 8-719-101-23 s 1SS123
D4 8-719-101-23 s 1SS123
D5 8-719-101-23 s 1SS123
D6 8-719-101-23 s 1SS123
D7 8-719-101-23 s 1SS123
D9 8-719-101-23 s 1SS123

FB1 1-535-178-00 s FERRITE BEAD
FB2 1-535-178-00 s FERRITE BEAD
FB3 1-535-178-00 s FERRITE BEAD
FB4 1-535-178-00 s FERRITE BEAD
FB100 1-535-178-00 s FERRITE BEAD

Ref.No. Parts No. SP Description

FB101 1-535-178-00 s FERRITE BEAD
FB102 1-535-178-00 s FERRITE BEAD
FB103 1-535-178-00 s FERRITE BEAD

FL1 1-236-067-12 s FILTER
FL2 1-236-068-12 s FILTER
FL3 1-236-387-11 s LOW-PASS 7.0MHz
FL4 1-236-387-11 s LOW-PASS 7.0MHz

IC1 8-752-030-81 s CXA1040M (SONY)
IC2 8-752-030-80 s CXA1039M (SONY)
8-741-158-90 s SBX1589 (SONY)
IC3 8-752-030-82 s CXA1041M (SONY)
IC4 8-752-015-81 s CX20158 (SONY)

IC6 8-759-907-81 s SN74LS221NS (TI)
IC7 8-752-030-81 s CXA1040M (SONY)
IC8 8-752-030-80 s CXA1039M (SONY)
8-741-158-90 s SBX1589 (SONY)
IC9 8-752-030-82 s CXA1041M (SONY)

IC13 8-759-907-81 s SN74LS221NS (TI)
IC14 8-759-982-34 s RC78M09FA (RAYTHEON)
IC15 8-759-982-31 s RC78M05FA (RAYTHEON)
IC16 8-759-982-38 s RC7905FA (RAYTHEON)
IC18 8-759-204-94 s TC74HC00F (TOSHIBA)

IC20 8-759-204-98 s TC74HC08F (TOSHIBA)
IC21 8-752-015-81 s CX20158 (SONY)
IC22 8-752-015-81 s CX20158 (SONY)
IC25 8-759-908-15 s TL431CLP (TI)
IC26 8-759-908-15 s TL431CLP (TI)

IC27 8-759-908-15 s TL431CLP (TI)
IC28 8-759-908-15 s TL431CLP (TI)
IC30 8-759-908-15 s TL431CLP (TI)
IC31 8-759-908-15 s TL431CLP (TI)
IC32 8-752-006-10 s CX20061 (SONY)

IC33 8-752-006-13 s CX20061 (SONY)
IC34 8-752-006-13 s CX20061 (SONY)
IC35 8-752-006-13 s CX20061 (SONY)
IC36 8-759-012-84 s MC14557BF (MOTOROLA)
IC37 8-759-907-81 s SN74LS221NS (TI)

IC38 8-759-907-81 s SN74LS221NS (TI)
IC39 8-759-907-81 s SN74LS221NS (TI)

L2 1-410-482-31 s MICRO 100
L3 1-410-482-31 s MICRO 100
L4 1-410-482-31 s MICRO 100
L5 1-410-482-31 s MICRO 100
L6 1-410-482-31 s MICRO 100

L9 1-410-482-31 s MICRO 100
L10 1-410-482-31 s MICRO 100
L12 1-410-478-11 s MICRO 47
L13 1-410-478-11 s MICRO 47
L17 1-410-482-31 s MICRO 100

L19 1-410-482-31 s MICRO 100
L20 1-410-482-31 s MICRO 100
L21 1-410-482-31 s MICRO 100
L22 1-410-482-31 s MICRO 100
L23 1-410-482-31 s MICRO 100

L26 1-410-482-31 s MICRO 100
L27 1-410-482-31 s MICRO 100
L28 1-410-482-31 s MICRO 100
L30 1-410-482-31 s MICRO 100
L31 1-410-478-11 s MICRO 47

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

L32 1-410-478-11 s MICRO 47
 L33 1-410-482-31 s MICRO 100
 L35 1-410-482-31 s MICRO 100
 L37 1-410-482-31 s MICRO 100
 L38 1-410-482-31 s MICRO 100

L40 1-410-482-31 s MICRO 100
 L41 1-410-478-11 s MICRO 47
 L42 1-410-478-11 s MICRO 47
 L43 1-410-482-31 s MICRO 100
 L45 1-410-482-31 s MICRO 100

L47 1-410-478-11 s MICRO 47
 L48 1-410-476-11 s MICRO 33
 L49 1-410-478-11 s MICRO 47
 L100 1-412-533-11 s MICRO 47
 L101 1-412-533-11 s MICRO 47

L102 1-412-533-11 s MICRO 47
 L103 1-412-533-11 s MICRO 47
 L301 1-410-482-31 s MICRO 100
 L303 1-410-482-31 s MICRO 100
 L304 1-410-482-31 s MICRO 100

Q1 8-729-931-02 s 2SC2413KQ
 Q2 8-729-201-65 s 2SC27150
 Q3 8-729-202-38 s 2SC3326N
 Q4 8-729-202-38 s 2SC3326N
 Q5 8-729-122-63 s 2SA1226

Q6 8-729-122-63 s 2SA1226
 Q7 8-729-122-63 s 2SA1226
 Q8 8-729-931-02 s 2SC2413KQ
 Q9 8-729-102-07 s 2SC2223
 Q10 8-729-102-07 s 2SC2223

Q11 8-729-102-07 s 2SC2223
 Q13 8-729-931-02 s 2SC2413KQ
 Q14 8-729-201-65 s 2SC27150
 Q15 8-729-202-38 s 2SC3326N
 Q16 8-729-202-38 s 2SC3326N

Q17 8-729-122-63 s 2SA1226
 Q18 8-729-122-63 s 2SA1226
 Q19 8-729-122-63 s 2SA1226
 Q20 8-729-931-02 s 2SC2413KQ
 Q21 8-729-102-07 s 2SC2223

Q24 8-729-931-02 s 2SC2413KQ
 Q25 8-729-931-02 s 2SC2413KQ
 Q26 8-729-931-02 s 2SC2413KQ
 Q27 8-729-931-02 s 2SC2413KQ
 Q28 8-729-931-02 s 2SC2413KQ

Q29 8-729-122-63 s 2SA1226
 Q30 8-729-122-63 s 2SA1226
 Q31 8-729-931-02 s 2SC2413KQ
 Q32 8-729-931-02 s 2SC2413KQ
 Q33 8-729-931-02 s 2SC2413KQ

Q34 8-729-122-63 s 2SA1226
 Q35 8-729-201-65 s 2SC27150
 Q36 8-729-201-65 s 2SC27150
 Q38 8-729-201-65 s 2SC27150
 Q39 8-729-201-65 s 2SC27150

Q40 8-729-201-65 s 2SC27150
 Q41 8-729-109-43 s 2SK94-X3
 Q42 8-729-109-43 s 2SK94-X3
 Q43 8-729-102-07 s 2SC2223
 Q44 8-729-122-63 s 2SA1226

Ref.No. Parts No. SP Description

Q45 8-729-102-07 s 2SC2223
 Q46 8-729-122-63 s 2SA1226
 Q47 8-729-931-02 s 2SC2413KQ
 Q48 8-729-931-02 s 2SC2413KQ
 Q49 8-729-202-38 s 2SC3326N

Q51 8-729-931-02 s 2SC2413KQ
 Q52 8-729-202-38 s 2SC3326N
 Q54 8-729-122-63 s 2SA1226
 Q55 8-729-931-02 s 2SC2413KQ
 Q56 8-729-202-38 s 2SC3326N

Q57 8-729-202-38 s 2SC3326N
 Q58 8-729-931-02 s 2SC2413KQ
 Q59 8-729-931-02 s 2SC2413KQ
 Q60 8-729-202-38 s 2SC3326N
 Q61 8-729-122-63 s 2SA1226

Q62 8-729-931-02 s 2SC2413KQ
 Q63 8-729-931-02 s 2SC2413KQ
 Q64 8-729-202-38 s 2SC3326N

R1 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R6 1-216-619-11 s METAL CHIP 47 0.50% 1/10W
 R7 1-216-666-11 s METAL CHIP 4.3k 0.50% 1/10W
 R8 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R10 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W

R11 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R12 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R13 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W
 R15 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R19 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

R20 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R28 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R29 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R30 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R31 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W

R33 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R46 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R48 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R64 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R65 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R71 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R80 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R82 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W
 R83 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R88 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W

R89 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R96 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R97 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R98 1-216-650-11 s METAL CHIP 910 0.50% 1/10W
 R99 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W

R110 1-247-729-11 s CARBON 15 5% 1/2W
 R113 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R122 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R202 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R203 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W

R204 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W
 R205 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R206 1-216-672-11 s METAL CHIP 7.5k 0.50% 1/10W
 R211 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R213 1-216-687-11 s METAL CHIP 33k 0.50% 1/10W

R217 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R219 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W
 R220 1-216-672-11 s METAL CHIP 7.5k 0.50% 1/10W
 R221 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R222 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description			
R223	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W	
R224	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W	
R225	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W	
R226	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W	
R227	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W	
R228	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R230	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W	
R233	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R235	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W	
R236	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W	
R247	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W	
R250	1-216-674-11	s	METAL CHIP 9.1k	0.50%	1/10W	
R251	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W	
R252	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W	
R253	1-247-697-11	s	CARBON 56	5%	1/4W	
R254	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R256	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R257	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R259	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W	
R260	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W	
R261	1-247-697-11	s	CARBON 56	5%	1/4W	
R262	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R263	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R264	1-247-697-11	s	CARBON 56	5%	1/4W	
R265	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R266	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W	
R267	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R268	1-247-697-11	s	CARBON 56	5%	1/4W	
R269	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R270	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R271	1-247-697-11	s	CARBON 56	5%	1/4W	
R272	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R273	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R274	1-247-697-11	s	CARBON 56	5%	1/4W	
R275	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R276	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R281	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R287	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R295	1-216-677-11	s	METAL CHIP 12k	0.50%	1/10W	
R297	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W	
R299	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W	
R300	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W	
R302	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W	
R303	1-216-638-11	s	METAL CHIP 300	0.50%	1/10W	
R309	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W	
R311	1-216-629-11	s	METAL CHIP 120	0.50%	1/10W	
R312	1-216-629-11	s	METAL CHIP 120	0.50%	1/10W	
R315	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R316	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R321	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W	
R324	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W	
R325	1-216-633-11	s	METAL CHIP 180	0.50%	1/10W	
R326	1-216-633-11	s	METAL CHIP 180	0.50%	1/10W	
R334	1-216-687-11	s	METAL CHIP 33k	0.50%	1/10W	
R335	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R346	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W	
R347	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W	
R348	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W	
R349	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W	
R350	1-216-671-11	s	METAL CHIP 6.8k	0.50%	1/10W	

Ref.No.	Parts No.	SP	Description		
R362	1-216-658-11	s	METAL CHIP 2k	0.50%	1/10W
R406	1-216-649-11	s	METAL CHIP 820	0.50%	1/10W
R407	1-216-649-11	s	METAL CHIP 820	0.50%	1/10W
R408	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W
R409	1-216-687-11	s	METAL CHIP 33k	0.50%	1/10W
R412	1-216-640-11	s	METAL CHIP 360	0.50%	1/10W
R413	1-216-640-11	s	METAL CHIP 360	0.50%	1/10W
R414	1-216-603-11	s	METAL CHIP 10	0.50%	1/10W
R415	1-216-603-11	s	METAL CHIP 10	0.50%	1/10W
10) R416	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
9) R417	1-216-657-11	s	METAL CHIP 1.8k	0.50%	1/10W
10) R417	1-216-662-11	s	METAL CHIP 3k	0.50%	1/10W
9) R418	1-216-657-11	s	METAL CHIP 1.8k	0.50%	1/10W
10) R418	1-216-662-11	s	METAL CHIP 3k	0.50%	1/10W
10) R419	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R502	1-216-603-11	s	METAL CHIP 10	0.50%	1/10W
RV1	1-237-514-21	s	VAR, CERMET	500	
RV3	1-237-505-21	s	VAR, CERMET	5k	
RV4	1-237-520-21	s	VAR, CERMET	50k	
RV5	1-237-520-21	s	VAR, CERMET	50k	
RV6	1-237-519-21	s	VAR, CERMET	20k	
RV7	1-237-518-21	s	VAR, CERMET	10k	
RV8	1-237-498-21	s	VAR, CERMET	200	
RV9	1-237-500-21	s	VAR, CERMET	1k	
RV13	1-237-502-21	s	VAR, CERMET	5k	
RV14	1-237-520-21	s	VAR, CERMET	50k	
RV15	1-237-520-21	s	VAR, CERMET	50k	
RV16	1-237-518-21	s	VAR, CERMET	10k	
RV17	1-237-518-21	s	VAR, CERMET	10k	
RV18	1-237-498-21	s	VAR, CERMET	200	
RV19	1-237-500-21	s	VAR, CERMET	1k	
RV22	1-237-503-21	s	VAR, CERMET	10k	
RV23	1-237-501-21	s	VAR, CERMET	2k	
RV33	1-237-514-21	s	VAR, CERMET	500	
9) RV37	1-237-514-21	s	VAR, CERMET	500	
10) RV37	1-237-515-21	s	VAR, CERMET	1k	
9) RV38	1-237-514-21	s	VAR, CERMET	500	
10) RV38	1-237-515-21	s	VAR, CERMET	1k	
RV39	1-237-514-21	s	VAR, CERMET	500	
RV40	1-237-520-21	s	VAR, CERMET	50k	
RV41	1-237-520-21	s	VAR, CERMET	50k	
RV42	1-237-506-21	s	VAR, CERMET	100k	
RV43	1-237-506-21	s	VAR, CERMET	100k	
RV44	1-237-520-21	s	VAR, CERMET	50k	
RV45	1-237-519-21	s	VAR, CERMET	20k	
RV46	1-237-520-21	s	VAR, CERMET	50k	
RV47	1-237-519-21	s	VAR, CERMET	20k	
RV50	1-237-516-21	s	VAR, CERMET	2k	
RV51	1-237-516-21	s	VAR, CERMET	2k	
RV52	1-237-517-21	s	VAR, CERMET	5k	
RV53	1-237-517-21	s	VAR, CERMET	5k	
RV54	1-237-515-21	s	VAR, CERMET	1k	
RV55	1-237-515-21	s	VAR, CERMET	1k	
RV56	1-237-515-21	s	VAR, CERMET	1k	
RV57	1-237-520-21	s	VAR, CERMET	50k	
RV58	1-237-520-21	s	VAR, CERMET	50k	

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

MD-46, NR-25, PC-33/41/47, PD-35, PT-9, PTC-15/20

Ref.No.	Parts No.	SP	Description
S1	1-553-977-00	s	SLIDE
S2	1-570-337-11	s	ROTARY (HEXADECIMAL)

TH1	1-800-200-00	s	S-3K
TH2	1-800-200-00	s	S-3K
TH3	1-800-200-00	s	S-3K
TH4	1-800-200-00	s	S-3K
TH5	1-800-198-XX	s	S-1K

TH6	1-800-198-XX	s	S-1K
TH11	1-800-202-XX	s	S-10K
TH12	1-800-202-XX	s	S-10K

X1	1-567-916-12	s	VIBRATOR 6.40MHz
X2	1-567-917-12	s	VIBRATOR 7.70MHz
X3	1-567-914-12	s	VIBRATOR 5.00MHz
X4	1-567-915-12	s	VIBRATOR 5.80MHz

NR-25 BOARD

All the component parts on the NR-25 board are supplied together when you order the TBC-8 board.

1-624-023-12 o PRINTED CIRCUIT BOARD, NR-25

C701	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C702	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C703	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C704	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C705	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C706	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C707	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C708	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C709	1-163-033-00	s	CERAMIC CHIP 0.022	50V

CN700	1-564-410-11	s	HEADER 40P
CN701	1-559-614-11	s	FLAT CABLE (40 CORE)

IC701	8-759-947-00	s	CXD1328Q (SONY)
IC702	8-752-322-72	s	CXK1202S (SONY)
IC703	8-752-322-72	s	CXK1202S (SONY)
IC704	8-752-322-72	s	CXK1202S (SONY)
IC705	8-759-205-16	s	TC74HC161F (TOSHIBA)

IC706	8-759-205-16	s	TC74HC161F (TOSHIBA)
IC707	8-751-205-22	s	TC74HC240F (TOSHIBA)
IC708	8-759-205-30	s	TC74HC273F (TOSHIBA)
IC709	8-759-207-25	s	TC74HC163F (TOSHIBA)

PC-33 BOARD

1-622-604-11 o PRINTED CIRCUIT BOARD, PC-33

D1	8-719-800-81	s	TLP801A
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Ref.No.	Parts No.	SP	Description
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PC-41 BOARD

1-623-267-11 o PRINTED CIRCUIT BOARD, PC-41

D1	8-719-800-81	s	TLP801A
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PC-47 BOARD

1-628-786-11 o PRINTED CIRCUIT BOARD, PC-47

D1	8-719-800-81	s	TLP801A
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PD-35 BOARD

1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35

CN852	1-508-900-00	o	PIN 2P
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PT-9 BOARD

All the component parts on the PT-9 board are supplied together when you order the key chassis ass'y.

1-605-018-00 o PRINTED CIRCUIT BOARD, PT-9

Q1	8-729-882-52	s	2SB825-R
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PTC-15 BOARD

1-622-597-11 o PRINTED CIRCUIT BOARD, PTC-15

D1	8-719-800-81	s	TLP801A
D2	8-719-800-81	s	TLP801A

PTC-20 BOARD

1-622-598-11 o PRINTED CIRCUIT BOARD, PTC-20

Q1	8-729-116-45	s	PH110
Q2	8-729-116-45	s	PH110
Q3	8-729-116-45	s	PH110

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

TC-21/23/31/32/36, RE-28/34

Ref.No. Parts No. SP Description

PTC-21 BOARD

1-622-599-11 o PRINTED CIRCUIT BOARD, PTC-21

D1 8-719-800-81 s TLP801A
D2 8-719-800-81 s TLP801A

PTC-23 BOARD

1-622-600-11 o PRINTED CIRCUIT BOARD, PTC-23

D1 8-719-800-81 s TLP801A

PTC-31 BOARD

1-622-607-11 o PRINTED CIRCUIT BOARD, PTC-31

D1 8-719-941-47 s GP2805

PTC-32 BOARD

All the component parts on the PTC-32 board are supplied together when you order the key chassis ass'y.

1-622-638-12 o PRINTED CIRCUIT BOARD, PTC-32

C1 1-124-234-00 s ELECT 22 20% 10V

CN4 1-562-151-11 o 6P
1-564-026-00 s CONTACT, RECEPTACLE

IC1 8-719-939-50 s GP1L52 (SHARP)
IC2 8-719-939-50 s GP1L52 (SHARP)
IC3 8-719-940-86 s GP1L53 (SHARP)
IC4 8-719-939-50 s GP1L52 (SHARP)
IC5 8-759-133-90 s uPC339C (NEC)

PTC-36 BOARD

1-622-601-11 o PRINTED CIRCUIT BOARD, PTC-36

D1 8-719-123-69 s SE310
D2 8-719-123-69 s SE310
D3 8-719-123-69 s SE310

Ref.No. Parts No. SP Description

RE-28 BOARD

A-6715-354-A o MOUNTED CIRCUIT BOARD, RE-28

C9 1-124-360-00 s ELECT 1000 20% 16V

CN814 1-508-901-00 o M 3P
CN823 1-508-949-00 o M 12P

D1 8-719-200-02 s 10E2

IC1 8-759-108-77 s CX877 (SONY)

Q1 8-729-177-43 s 2SD774
Q2 8-729-376-84 s 2SA768-G
Q3 8-729-177-43 s 2SD774
Q4 8-729-247-33 s 2SA473
Q5 8-729-103-43 s 2SB734
Q6 8-729-177-43 s 2SD774

R1 1-247-887-00 s CARBON 220k 5% 1/4W

A R5 1-216-389-11 s METAL 1 5% 3W
R10 1-215-866-11 s METAL 330 5% 1W

R12 1-247-887-00 s CARBON 220k 5% 1/4W

A R13 1-216-386-11 s METAL 0.56 5% 3W

R14 1-247-739-11 s CARBON 100 5% 1/2W
R15 1-247-739-11 s CARBON 100 5% 1/2W

A R16 1-216-389-11 s METAL 1 5% 3W

RE-34 BOARD

A-6711-806-A o MOUNTED CIRCUIT BOARD, RE-34

C4 1-109-546-00 s MICA 300pF 5% 50V
C5 1-162-889-11 s CERAMIC 680pF 5% 50V
C6 1-109-546-00 s MICA 300pF 5% 50V
C14 1-109-546-00 s MICA 300pF 5% 50V
C15 1-162-730-11 s CERAMIC 680pF 1% 50V

C16 1-109-546-00 s MICA 300pF 5% 50V
C21 1-124-236-00 s ELECT 47 20% 10V
C23 1-124-236-00 s ELECT 47 20% 10V

IC1 1-759-990-82 s TL082CP (T1)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

LV1 1-407-565-00 s VAR 2.2
 LV2 1-407-565-00 s VAR 2.2

Q1 8-729-600-60 s 2SA1115P
 Q2 8-729-378-84 s 2SD788
 Q3 8-729-378-84 s 2SD788
 Q4 8-729-600-27 s 2SC6348P
 Q5 8-729-600-60 s 2SA1115P

Q6 8-729-378-84 s 2SD788
 Q7 8-729-378-84 s 2SD788
 Q8 8-729-600-27 s 2SC6348P

RV1 1-237-498-21 s VAR, CERMET 200
 RV2 1-237-498-21 s VAR, CERMET 200

T1 1-433-194-00 s OSCILLATION
 T2 1-433-194-00 s OSCILLATION

RE-36 BOARD

△ A-6715-361-A o MOUNTED CIRCUIT BOARD, RE-36

C103 1-162-726-11 s CERAMIC 470pF 1% 50V
 C104 1-162-726-11 s CERAMIC 470pF 1% 50V
 C106 1-124-462-00 s ELECT 10 20% 16V
 C203 1-162-726-11 s CERAMIC 470pF 1% 50V
 C204 1-162-726-11 s CERAMIC 470pF 1% 50V

C206 1-124-462-00 s ELECT 10 20% 16V

CN802 1-563-233-11 o F.P.C 13P
 CN805 1-562-708-11 o SOCKET 13P
 CN806 1-508-901-00 o M 3P
 CN807 1-506-477-11 o 12P

D1 8-719-200-02 s 10E2
 D2 8-719-200-02 s 10E2

IC101 8-759-705-62 s NJM4562D-D (JRC)
 IC201 8-759-705-62 s NJM4562D-D (JRC)

L1 1-459-155-00 s 45 (WITH CORE)
 L2 1-459-155-00 s 45 (WITH CORE)

Q1 8-729-114-11 s 2SA1141
 Q2 8-729-177-43 s 2SD774
 Q3 8-729-103-43 s 2SB734
 Q4 8-729-102-57 s 2SC3012
 Q101 8-729-217-33 s 2SC1173

Ref.No. Parts No. SP Description

Q102 8-729-247-33 s 2SA473
 Q201 8-729-217-33 s 2SC1173
 Q202 8-729-247-33 s 2SA473

△ R2 1-215-864-00 s METAL 150 5% 1W
 R5 1-215-889-00 s METAL 330 5% 2W
 R101 1-215-863-11 s METAL 100 5% 1W
 R102 1-215-863-11 s METAL 100 5% 1W
 R103 1-216-365-00 s METAL 0.47 5% 2W

R108 1-247-895-00 s CARBON 470k 5% 1/4W
 R111 1-247-895-00 s CARBON 470k 5% 1/4W
 R113 1-247-887-00 s CARBON 220k 5% 1/4W

△ R201 1-215-863-11 s METAL 100 5% 1W
 R202 1-215-863-11 s METAL 100 5% 1W

△ R203 1-216-365-00 s METAL 0.47 5% 2W

R208 1-247-895-00 s CARBON 470k 5% 1/4W
 R211 1-247-895-00 s CARBON 470k 5% 1/4W
 R213 1-247-887-00 s CARBON 220k 5% 1/4W

RM-40 BOARD

1-622-605-11 o PRINTED CIRCUIT BOARD, RM-40

C1 1-102-363-00 s CERAMIC 0.001 50V
 C2 1-102-363-00 s CERAMIC 0.001 50V

CN3 1-562-708-11 o 13P

RM-48 BOARD

1-622-557-12 o PRINTED CIRCUIT BOARD, RM-48

CN450 1-559-263-11 o WIRE ASSY, FLAT TYPE(40 CORE)
 CN452 1-508-933-00 o POST HEADER, 2P
 CN453 1-561-028-00 s 36P
 CN454 1-563-890-11 s SOCKET, D-SUB 9P
 CN455 1-563-890-11 s SOCKET, D-SUB 9P
 CN456 1-566-441-11 s D-SUB 15P

FB1 1-535-178-00 s FERRITE BEAD
 FB2 1-535-178-00 s FERRITE BEAD

△ R1 1-215-906-11 s METAL 15 5% 3W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

RP-29 (C) / 29 (Y)

Ref.No. Parts No. SP Description

RP-29 (C) BOARD

A-6711-805-A o MOUNTED CIRCUIT BOARD, RP-29(C)

D101	8-719-100-05	s	1S2837
D102	8-719-100-05	s	1S2837
D103	8-719-100-05	s	1S2837
D104	8-719-100-05	s	1S2837
D105	8-719-109-60	s	RD2.7ES-B2
D106	8-719-100-05	s	1S2837
D107	8-719-100-05	s	1S2837
D108	8-719-100-05	s	1S2837
D109	8-719-100-05	s	1S2837
IC101	1-807-991-11	s	BH1806 (SONY)
IC102	1-807-991-11	s	BH1806 (SONY)
IC103	1-807-987-11	s	BH1802 (SONY)
IC104	1-807-987-11	s	BH1802 (SONY)
IC105	8-752-006-10	s	CX20061 (SONY)
IC106	8-752-006-13	s	CX20061 (SONY)
IC107	8-759-240-09	s	TC4009UBP (TOSHIBA)
IC108	8-759-240-09	s	TC4009UBP (TOSHIBA)
L101	1-410-482-31	s	MICRO 100
L102	1-410-482-31	s	MICRO 100
L103	1-410-482-31	s	MICRO 100
L104	1-410-482-31	s	MICRO 100
L105	1-410-482-31	s	MICRO 100

Q101	8-729-201-27	s	2SC2715Y
Q102	8-729-201-27	s	2SC2715Y
Q103	8-729-122-63	s	2SA1226
Q104	8-729-122-63	s	2SA1226
Q105	8-729-202-38	s	2SC3326N
Q106	8-729-202-38	s	2SC3326N
Q107	8-729-202-38	s	2SC3326N
Q108	8-729-201-27	s	2SC2715Y
Q109	8-729-122-63	s	2SA1226
Q110	8-729-122-63	s	2SA1226
Q111	8-729-202-38	s	2SC3326N
Q112	8-729-202-38	s	2SC3326N
Q113	8-729-202-38	s	2SC3326N
Q114	8-729-200-72	s	2SC2712L
R102	1-216-624-11	s	METAL CHIP 75 0.50% 1/10W
R109	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R110	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R111	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R112	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R126	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R127	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R128	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R129	1-216-603-11	s	METAL CHIP 10 0.50% 1/10W
R160	1-217-666-31	s	SHORT 0.01 1/6W

Ref.No. Parts No. SP Description

RV101	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV102	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV103	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV104	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV105	1-226-769-00	s	VAR, METAL GLAZE 100
RV106	1-226-769-00	s	VAR, METAL GLAZE 100
RV107	1-226-771-11	s	VAR, METAL GLAZE 1k
RV108	1-226-771-11	s	VAR, METAL GLAZE 1k
RV109	1-226-771-11	s	VAR, METAL GLAZE 1k
RV110	1-226-771-11	s	VAR, METAL GLAZE 1k

RV111	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV112	1-226-702-00	s	VAR, METAL GLAZE 2.2k

SP101	1-560-733-00	s	PIN, SHORT
SP102	1-560-733-00	s	PIN, SHORT

SS101	1-561-832-00	s	SOCKET, SHORT
SS102	1-561-832-00	s	SOCKET, SHORT

T101	1-427-545-11	s	RF OUTPUT
T102	1-427-545-11	s	RF OUTPUT
T103	1-423-251-00	s	RF INPUT
T104	1-423-251-00	s	RF INPUT

RP-29 (Y) BOARD

A-6711-804-A o MOUNTED CIRCUIT BOARD, RP-29(Y)

D1	8-719-100-05	s	1S2837
D2	8-719-100-05	s	1S2837
D3	8-719-100-05	s	1S2837
D4	8-719-100-05	s	1S2837
D5	8-719-109-60	s	RD2.7ES-B2
D6	8-719-100-05	s	1S2837
D7	8-719-100-05	s	1S2837
D8	8-719-100-05	s	1S2837
D9	8-719-100-05	s	1S2837

IC1	1-807-991-11	s	BH1806 (SONY)
IC2	1-807-991-11	s	BH1806 (SONY)
IC3	1-807-987-11	s	BH1802 (SONY)
IC4	1-807-987-11	s	BH1802 (SONY)
IC5	8-752-006-10	s	CX20061 (SONY)

IC6	8-752-006-13	s	CX20061 (SONY)
IC7	8-759-240-09	s	TC4009UBP (TOSHIBA)
IC8	8-759-240-09	s	TC4009UBP (TOSHIBA)

L1	1-410-482-31	s	MICRO 100
L2	1-410-482-31	s	MICRO 100
L3	1-410-482-31	s	MICRO 100
L4	1-410-482-31	s	MICRO 100
L5	1-410-482-31	s	MICRO 100

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q1	8-729-201-27	s	2SC2715Y
Q2	8-729-201-27	s	2SC2715Y
Q3	8-729-122-63	s	2SA1 226
Q4	8-729-122-63	s	2SA1 226
Q5	8-729-202-38	s	2SC3326N
Q6	8-729-202-38	s	2SC3326N
Q7	8-729-202-38	s	2SC3326N
Q8	8-729-201-27	s	2SC2715Y
Q9	8-729-122-63	s	2SA1 226
Q10	8-729-122-63	s	2SA1 226
Q11	8-729-202-38	s	2SC3326N
Q12	8-729-202-38	s	2SC3326N
Q13	8-729-202-38	s	2SC3326N
Q14	8-729-200-72	s	2SC2712L
R2	1-216-624-11	s	METAL 75 0.50% 1/10W
R9	1-216-603-11	s	METAL 10 0.50% 1/10W
R10	1-216-611-11	s	METAL 22 0.50% 1/10W
R11	1-216-611-11	s	METAL 22 0.50% 1/10W
R12	1-216-603-11	s	METAL 10 0.50% 1/10W
R26	1-216-603-11	s	METAL 10 0.50% 1/10W
R27	1-216-611-11	s	METAL 22 0.50% 1/10W
R28	1-216-611-11	s	METAL 22 0.50% 1/10W
R29	1-216-603-11	s	METAL 10 0.50% 1/10W
RV1	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV2	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV3	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV4	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV5	1-226-769-00	s	VAR, METAL GLAZE 100
RV6	1-226-769-00	s	VAR, METAL GLAZE 100
RV7	1-226-771-11	s	VAR, METAL GLAZE 1k
RV8	1-226-771-11	s	VAR, METAL GLAZE 1k
RV9	1-226-771-11	s	VAR, METAL GLAZE 1k
RV10	1-226-771-11	s	VAR, METAL GLAZE 1k
RV11	1-226-702-00	s	VAR, METAL GLAZE 2.2k
RV12	1-226-702-00	s	VAR, METAL GLAZE 2.2k
SP1	1-560-733-00	s	PIN, SHORT
SP2	1-560-733-00	s	PIN, SHORT
SS1	1-561-832-00	s	SOCKET, SHORT
SS2	1-561-832-00	s	SOCKET, SHORT
T1	1-427-545-11	s	RF OUTPUT
T2	1-427-545-11	s	RF OUTPUT
T3	1-423-251-00	s	RF INPUT
T4	1-423-251-00	s	RF INPUT

Ref.No. Parts No. SP Description

SE-57 BOARD

A-6715-353-A o MOUNTED CIRCUIT BOARD, SE-57

C1	1-162-726-11	s	CERAMIC 470pF 1% 50V
C2	1-162-726-11	s	CERAMIC 470pF 1% 50V
C3	1-136-683-11	s	MYLAR 0.0056 2% 100V

D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119

IC1	8-759-729-03	s	NJM2903D (JRC)
IC2	8-759-345-38	s	HD14538BP (HITACHI)
IC3	8-759-145-58	s	uPC4558C (NEC)

Q1	8-729-178-55	s	2SC2785-E
Q2	8-729-820-14	s	2SD1913-RS
Q3	8-729-111-67	s	2SB1094L
Q4	8-729-178-55	s	2SC2785-E
Q5	8-729-117-54	s	2SA1175

Q6	8-729-178-55	s	2SC2785-E
Q7	8-729-178-55	s	2SC2785-E

R5	1-247-895-00	s	CARBON 470k 5% 1/4W
R14	1-247-887-00	s	CARBON 220k 5% 1/4W
R15	1-247-887-00	s	CARBON 220k 5% 1/4W
R29	1-216-347-11	s	METAL CHIP 0.68 5% 1W
R30	1-216-347-11	s	METAL CHIP 0.68 5% 1W

SV-82 BOARD

IC109 8-759-734-35 o C256A-BVW75 V1.20SV

A-6715-356-A o MOUNTED CIRCUIT BOARD, SV-82

C1	1-162-887-11	s	CERAMIC 470pF 5% 50V
C2	1-162-887-11	s	CERAMIC 470pF 5% 50V
C7	1-162-887-11	s	CERAMIC 470pF 5% 50V
C9	1-162-887-11	s	CERAMIC 470pF 5% 50V
C106	1-124-598-11	s	ELECT 22 20% 25V

C110	1-124-598-11	s	ELECT 22 20% 25V
C111	1-124-462-00	s	ELECT 10 20% 16V
C112	1-124-462-00	s	ELECT 10 20% 16V
C125	1-161-463-00	s	CERAMIC 220pF 5% 50V
C127	1-161-463-00	s	CERAMIC 220pF 5% 50V

C128	1-161-463-00	s	CERAMIC 220pF 5% 50V
C131	1-161-463-00	s	CERAMIC 220pF 5% 50V
C308	1-124-224-00	s	ELECT 47 20% 6.3V
C309	1-124-224-00	s	ELECT 47 20% 6.3V
C310	1-124-236-00	s	ELECT 47 20% 10V

C311	1-124-236-00	s	ELECT 47 20% 10V
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Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

CN206 1-506-748-11 s DIN 96P

D1 8-719-911-19 s 1SS119
 D2 8-719-911-19 s 1SS119
 D101 8-719-911-19 s 1SS119
 D102 8-719-911-19 s 1SS119
 D103 8-719-911-19 s 1SS119

D104 8-719-911-19 s 1SS119
 D105 8-719-911-19 s 1SS119
 D106 8-719-911-19 s 1SS119
 D107 8-719-911-19 s 1SS119
 D108 8-719-911-19 s 1SS119

D109 8-719-911-19 s 1SS119
 D110 8-719-911-19 s 1SS119
 D111 8-719-911-19 s 1SS119
 D114 8-719-911-19 s 1SS119

IC1 8-759-113-55 s uPD71054GB (NEC)
 IC2 8-759-113-55 s uPD71054GB (NEC)
 IC3 8-759-113-55 s uPD71054GB (NEC)
 IC4 8-759-113-55 s uPD71054GB (NEC)
 IC5 8-759-113-55 s uPD71054GB (NEC)

IC6 8-759-938-83 s CF77074NT (TI)
 IC7 8-759-938-83 s CF77074NT (TI)
 IC8 8-759-938-83 s CF77074NT (TI)
 IC9 8-759-205-06 s TC74HC74F (TOSHIBA)
 IC10 8-759-926-97 s SN74HC4024NS (TI)

IC11 8-759-205-00 s TC74HC14F (TOSHIBA)
 IC12 8-759-205-00 s TC74HC14F (TOSHIBA)
 IC14 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC101 8-759-926-49 s SN74HC245NS (TI)
 IC102 8-759-205-23 s TC74HC244F (TOSHIBA)

IC103 8-759-201-00 s TC4052BF (TOSHIBA)
 IC104 8-759-204-97 s TC74HC004F (TOSHIBA)
 IC105 8-752-323-64 s CXK5816M-12L (SONY)
 IC106 8-759-205-09 s TC74HC138F (TOSHIBA)
 IC107 8-759-205-09 s TC74HC138F (TOSHIBA)

IC108 8-759-205-10 s TC74HC139F (TOSHIBA)
 IC110 8-759-205-31 s TC74HC373F (TOSHIBA)
 IC111 8-759-153-81 s uPD78310ACW (NEC)
 IC112 8-759-926-98 s SN74HC4040NS (TI)
 IC113 8-759-103-95 s uPC648C (NEC)

IC114 8-759-908-92 s TLO84CNS (TI)
 IC116 8-759-908-92 s TLO84CNS (TI)
 IC117 8-759-908-92 s TLO84CNS (TI)
 IC118 8-759-932-54 s TC4066BFHB (TOSHIBA)
 IC119 8-759-932-54 s TC4066BFHB (TOSHIBA)

IC120 8-759-938-68 s CXD1095Q (SONY)
 IC121 8-759-708-09 s NJM78L09A (JRC)
 IC122 8-759-204-98 s TC74HC08F (TOSHIBA)

L1 1-410-476-11 s MICRO 33
 L2 1-410-476-11 s MICRO 33
 L3 1-410-476-11 s MICRO 33
 L4 1-410-476-11 s MICRO 33

Ref.No. Parts No. SP Description

Q1 8-729-600-27 s 2SC643SP
 Q2 8-729-600-27 s 2SC643SP
 Q3 8-729-600-27 s 2SC643SP

R1 1-247-887-00 s CARBON 220k 5% 1/4W
 R3 1-247-887-00 s CARBON 220k 5% 1/4W
 R5 1-247-887-00 s CARBON 220k 5% 1/4W
 R7 1-247-887-00 s CARBON 220k 5% 1/4W
 R19 1-247-887-00 s CARBON 220k 5% 1/4W

R114 1-217-666-31 s SHORT 0.01 1/6W
 R116 1-217-666-31 s SHORT 0.01 1/6W
 R170 1-247-887-00 s CARBON 220k 5% 1/4W
 R172 1-247-887-00 s CARBON 220k 5% 1/4W

RB101 1-231-557-00 s 100k x 4

RV101 1-237-515-21 s VAR, CERMET 1k
 RV102 1-237-505-21 s VAR, CERMET 50k
 RV103 1-237-505-21 s VAR, CERMET 50k

S101 1-553-572-00 s DIP (PIANO TYPE)

X101 1-567-865-11 s VIBRATOR 12.00MHz

SV-83 BOARD

A-6715-357-A o MOUNTED CIRCUIT BOARD, SV-83

C1 1-124-236-00 s ELECT 47 20% 10V
 C2 1-124-236-00 s ELECT 47 20% 10V
 C3 1-162-879-11 s CERAMIC 100pF 5% 50V
 C6 1-162-879-11 s CERAMIC 100pF 5% 50V
 C12 1-162-879-11 s CERAMIC 100pF 5% 50V

C15 1-124-224-00 s ELECT 47 20% 6.3V
 C16 1-124-224-00 s ELECT 47 20% 6.3V
 C31 1-124-236-00 s ELECT 47 20% 10V
 C32 1-124-236-00 s ELECT 47 20% 10V
 C201 1-124-236-00 s ELECT 47 20% 10V

C202 1-124-462-00 s ELECT 10 20% 16V
 C203 1-124-234-00 s ELECT 22 20% 16V
 C204 1-131-345-00 s TANTAL 0.47 10% 35V
 C208 1-162-885-11 s CERAMIC 330pF 5% 50V
 C209 1-130-026-00 s FILM 0.0047 5% 50V

C212 1-162-885-11 s CERAMIC 330pF 5% 50V
 C219 1-161-463-00 s CERAMIC 220pF 5% 50V
 C221 1-162-887-11 s CERAMIC 470pF 5% 50V
 C222 1-130-022-00 s FILM 0.0022 5% 50V
 C309 1-124-236-00 s ELECT 47 20% 10V

C310 1-124-236-00 s ELECT 47 20% 10V
 C311 1-124-236-00 s ELECT 47 20% 10V
 C312 1-124-236-00 s ELECT 47 20% 10V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

CN207 1-506-748-11 s DIN 96P

D5 8-719-911-19 s 1SS119
 D6 8-719-911-19 s 1SS119
 D7 8-719-911-19 s 1SS119
 D8 8-719-911-19 s 1SS119
 D201 8-719-911-19 s 1SS119

IC1 8-759-132-40 s uPC324C (NEC)
 IC2 8-759-908-92 s TL084CNS (TI)
 IC3 8-759-908-92 s TL084CNS (TI)
 IC4 8-759-700-58 s NJM4558D-FA (JRC)
 IC5 8-759-908-92 s TL084CNS (TI)
 IC6 8-759-908-92 s TL084CNS (TI)
 IC7 8-759-700-07 s NJM2903M (JRC)
 IC8 8-759-700-07 s NJM2903M (JRC)
 IC10 8-759-910-43 s CX23028 (SONY)
 IC11 8-759-208-11 s TC4053BFHB (TOSHIBA)

IC201 8-743-915-10 s BX3915A (SONY)
 IC202 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC203 8-759-200-90 s TC4538BF (TOSHIBA)
 IC204 8-759-205-78 s TC504013BF (TOSHIBA)
 IC205 8-759-200-84 s TC4081BF (TOSHIBA)
 IC206 8-759-700-07 s NJM2903M (JRC)
 IC207 8-759-200-90 s TC4538BF (TOSHIBA)
 IC208 8-759-204-20 s TC4024BF (TOSHIBA)
 IC209 8-759-204-20 s TC4024BF (TOSHIBA)
 IC210 8-759-700-07 s NJM2903M (JRC)

IC211 8-759-200-68 s TC4011BF (TOSHIBA)
 IC212 8-759-200-68 s TC4011BF (TOSHIBA)
 IC213 8-759-205-78 s TC504013BF (TOSHIBA)
 IC214 8-759-200-90 s TC4538BF (TOSHIBA)
 IC215 8-759-200-90 s TC4538BF (TOSHIBA)

IC216 8-759-205-78 s TC504013BF (TOSHIBA)
 IC217 8-759-205-78 s TC504013BF (TOSHIBA)
 IC218 8-759-200-90 s TC4538BF (TOSHIBA)
 IC219 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC220 8-759-205-15 s TC74HC160F (TOSHIBA)
 8-759-205-16 s TC74HC161F (TOSHIBA)
 IC221 8-759-207-74 s TC4030BFHB (TOSHIBA)

L1 1-410-476-11 s MICRO 33
 L2 1-410-476-11 s MICRO 33
 L3 1-410-476-11 s MICRO 33
 L4 1-410-476-11 s MICRO 33

Q2 8-729-201-05 s 2SC2878-B
 Q3 8-729-201-05 s 2SC2878-B
 Q4 8-729-201-05 s 2SC2878-B
 Q5 8-729-201-05 s 2SC2878-B
 Q8 8-729-201-05 s 2SC2878-B
 Q9 8-729-611-53 s 2SA1115-F

R21 1-247-883-00 s CARBON 150k 5% 1/4W
 R129 1-247-887-00 s CARBON 220k 5% 1/4W
 R132 1-247-883-00 s CARBON 150k 5% 1/4W
 R133 1-247-883-00 s CARBON 150k 5% 1/4W
 R215 1-247-883-00 s CARBON 150k 5% 1/4W

Ref.No. Parts No. SP Description

R222 1-247-883-00 s CARBON 150k 5% 1/4W
 R239 1-247-883-00 s CARBON 150k 5% 1/4W
 R257 1-247-887-00 s CARBON 220k 5% 1/4W
 R263 1-217-666-31 s SHORT 0.01 1/6W
 R265 1-217-666-31 s SHORT 0.01 1/6W

RV1 1-230-838-11 s VAR, METAL FILM 200
 RV2 1-237-512-21 s VAR, CERMET 100
 RV3 1-237-520-21 s VAR, CERMET 50k
 RV4 1-237-518-21 s VAR, CERMET 10k
 RV8 1-237-519-21 s VAR, CERMET 20k

RV9 1-237-518-21 s VAR, CERMET 10k
 RV10 1-237-518-21 s VAR, CERMET 10k
 RV11 1-237-518-21 s VAR, CERMET 10k
 RV12 1-237-518-21 s VAR, CERMET 10k
 RV13 1-237-518-21 s VAR, CERMET 10k

RV15 1-237-521-21 s VAR, CERMET 100k
 RV16 1-237-521-21 s VAR, CERMET 100k
 RV201 1-237-521-21 s VAR, CERMET 100k
 RV202 1-237-521-21 s VAR, CERMET 100k
 RV203 1-237-521-21 s VAR, CERMET 100k

RV204 1-237-521-21 s VAR, CERMET 100k
 RV206 1-237-522-21 s VAR, CERMET 200k
 RV210 1-237-520-21 s VAR, CERMET 50k

S1 1-552-509-00 s DIP
 1-570-857-11 s SLIDE

SV-84 BOARD

A-6715-358-A o MOUNTED CIRCUIT BOARD, SV-84

C1 1-124-224-00 s ELECT 47 20% 6.3V
 C2 1-124-224-00 s ELECT 47 20% 6.3V
 C3 1-124-236-00 s ELECT 47 20% 10V
 C4 1-124-236-00 s ELECT 47 20% 10V
 C7 1-124-462-00 s ELECT 10 20% 16V

C10 1-124-462-00 s ELECT 10 20% 16V
 C11 1-162-879-11 s CERAMIC 100pF 5% 50V
 C12 1-130-736-11 s FILM 0.01 5% 50V
 C29 1-124-224-00 s ELECT 47 20% 6.3V
 C30 1-124-224-00 s ELECT 47 20% 6.3V

C31 1-124-236-00 s ELECT 47 20% 10V
 C32 1-124-236-00 s ELECT 47 20% 10V
 C100 1-124-234-00 s ELECT 22 20% 16V
 C105 1-162-887-11 s CERAMIC 470pF 5% 50V
 C106 1-162-887-11 s CERAMIC 470pF 5% 50V

C107 1-162-887-11 s CERAMIC 470pF 5% 50V
 C111 1-162-879-11 s CERAMIC 100pF 5% 50V
 C112 1-162-879-11 s CERAMIC 100pF 5% 50V
 C116 1-124-254-00 s ELECT 0.68 20% 50V
 C117 1-124-254-00 s ELECT 0.68 20% 50V

C118 1-124-261-00 s ELECT 10 20% 50V
 C119 1-124-261-00 s ELECT 10 20% 50V
 C120 1-162-879-11 s CERAMIC 100pF 5% 50V
 C121 1-130-736-11 s FILM 0.01 5% 50V
 C123 1-130-728-00 s FILM 0.0022 5% 50V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C127	1-130-736-11	s	FILM	0.01	5%	50V
C130	1-124-462-00	s	ELECT	10	20%	16V
C131	1-124-236-00	s	ELECT	47	20%	10V
C202	1-123-611-00	s	ELECT	1	20%	50V
C203	1-124-261-00	s	ELECT	10	20%	50V
C207	1-123-611-00	s	ELECT	1	20%	50V
C208	1-124-261-00	s	ELECT	10	20%	50V
C212	1-123-611-00	s	ELECT	1	20%	50V
C213	1-124-261-00	s	ELECT	10	20%	50V
C216	1-123-611-00	s	ELECT	1	20%	50V
C217	1-123-611-00	s	ELECT	1	20%	50V
C218	1-162-885-11	s	CERAMIC	330pF	5%	50V
C219	1-162-710-11	s	CERAMIC	100pF	5%	50V
C220	1-162-885-11	s	CERAMIC	330pF	5%	50V
C221	1-162-710-11	s	CERAMIC	100pF	5%	50V

CN208 1-506-748-11 s DIN 96P

D1 8-719-911-19 s 1SS119
D2 8-719-911-19 s 1SS119
D4 8-719-911-19 s 1SS119
D5 8-719-911-19 s 1SS119
D100 8-719-911-19 s 1SS119

D101 8-719-911-19 s 1SS119
D102 8-719-911-19 s 1SS119
D103 8-719-911-19 s 1SS119
D104 8-719-911-19 s 1SS119
D105 8-719-911-19 s 1SS119

D201 8-719-911-19 s 1SS119
D202 8-719-911-19 s 1SS119
D203 8-719-911-19 s 1SS119
D204 8-719-911-19 s 1SS119

IC1 8-759-700-07 s NJM2903M (JRC)
IC2 8-759-908-92 s TL084CNS (TI)
IC3 8-759-908-92 s TL084CNS (TI)
IC4 8-759-700-07 s NJM2903M (JRC)
IC5 8-759-200-90 s TC4538BF (TOSHIBA)

IC6 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC7 8-759-910-43 s CX23028 (SONY)
IC8 8-759-200-68 s TC4011BF (TOSHIBA)
IC100 8-759-981-90 s RC4558D-D (RAYTHEON)
IC101 8-743-914-00 s BX3914 (SONY)

IC102 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC103 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC104 8-759-208-11 s TC4053BFHB (TOSHIBA)
IC105 8-759-200-90 s TC4538BF (TOSHIBA)
IC106 8-759-200-67 s TC4001BF (TOSHIBA)

IC107 8-759-200-83 s TC4071BF (TOSHIBA)
IC108 8-759-200-90 s TC4538BF (TOSHIBA)
IC109 8-759-907-81 s SN74LS221NS (TI)
IC110 8-759-908-92 s TL084CNS (TI)
IC111 8-759-200-90 s TC4538BF (TOSHIBA)

IC112 8-759-201-53 s TC40H000F (TOSHIBA)
IC113 8-759-201-53 s TC40H000F (TOSHIBA)
IC114 8-759-205-20 s TC74HC193F (TOSHIBA)
IC115 8-759-205-20 s TC74HC193F (TOSHIBA)
IC116 8-759-931-57 s SN74LS685NS (TI)

Ref.No. Parts No. SP Description

IC117 8-759-938-68 s CXD1095Q (SONY)
IC118 8-759-205-39 s TC74HC4049F (TOSHIBA)
IC119 8-759-205-06 s TC74HC74F (TOSHIBA)
IC120 8-759-205-05 s TC74HC32F (TOSHIBA)
IC201 8-759-700-07 s NJM2903M (JRC)

IC202 8-759-700-07 s NJM2903M (JRC)
IC203 8-759-208-11 s TC4053BFHB (TOSHIBA)

L1 1-410-476-11 s MICRO 33
L2 1-410-476-11 s MICRO 33
L3 1-410-476-11 s MICRO 33
L4 1-410-476-11 s MICRO 33

Q1 8-729-201-05 s 2SC2878-B
Q2 8-729-201-05 s 2SC2878-B
Q3 8-729-201-05 s 2SC2878-B
Q4 8-729-900-89 s DTC144ES
Q5 8-729-900-89 s DTC144ES

Q100 8-729-900-89 s DTC144ES
Q101 8-729-103-43 s 2SB734
Q102 8-729-611-53 s 2SA1115-F
Q103 8-729-900-89 s DTC144ES
Q104 8-729-201-05 s 2SC2878-B

Q105 8-729-201-05 s 2SC2878-B
Q106 8-729-900-89 s DTC144ES
Q107 8-729-900-89 s DTC144ES
Q108 8-729-900-89 s DTC144ES
Q109 8-729-201-05 s 2SC2878-B

Q110 8-729-900-89 s DTC144ES
Q111 8-729-201-05 s 2SC2878-B
Q112 8-729-900-89 s DTC144ES
Q113 8-729-900-89 s DTC144ES

R28 1-247-887-00 s CARBON 220k 5% 1/4W
R47 1-247-883-00 s CARBON 150k 5% 1/4W
R53 1-247-883-00 s CARBON 150k 5% 1/4W
R108 1-247-887-00 s CARBON 220k 5% 1/4W
R115 1-247-887-00 s CARBON 220k 5% 1/4W

R123 1-247-887-00 s CARBON 220k 5% 1/4W
R124 1-247-887-00 s CARBON 220k 5% 1/4W
R134 1-247-887-00 s CARBON 220k 5% 1/4W
R136 1-247-881-00 s CARBON 120k 5% 1/4W
R141 1-247-887-00 s CARBON 220k 5% 1/4W

R145 1-247-881-00 s CARBON 120k 5% 1/4W
R160 1-247-891-00 s CARBON 330k 5% 1/4W
R206 1-247-887-00 s CARBON 220k 5% 1/4W
R214 1-247-887-00 s CARBON 220k 5% 1/4W
R222 1-247-887-00 s CARBON 220k 5% 1/4W

R250 1-247-887-00 s CARBON 220k 5% 1/4W
R258 1-247-887-00 s CARBON 220k 5% 1/4W
R259 1-247-887-00 s CARBON 220k 5% 1/4W
R260 1-247-887-00 s CARBON 220k 5% 1/4W

RV1 1-237-518-21 s VAR, CERMET 10k
RV2 1-237-518-21 s VAR, CERMET 10k
RV3 1-237-518-21 s VAR, CERMET 10k
RV4 1-237-522-21 s VAR, CERMET 200k
RV100 1-237-522-21 s VAR, CERMET 200k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
RV101	1-237-520-21	s	VAR, CERMET 50k
RV102	1-237-521-21	s	VAR, CERMET 100k
RV202	1-237-503-21	s	VAR, CERMET 10k

SW-144 BOARD

1-622-573-14 o PRINTED CIRCUIT BOARD, SW-144

C9	1-124-236-00	s	ELECT 47 20% 10V
C10	1-124-236-00	s	ELECT 47 20% 10V

D1	8-719-800-86	s	TLG255
D2	8-719-800-86	s	TLG255
D3	8-719-800-89	s	TLY255
D4	8-719-800-89	s	TLY255
D5	8-719-800-86	s	TLG255
D7	8-719-800-86	s	TLG255
D9	8-719-800-86	s	TLG255
D10	8-719-800-86	s	TLG255
D11	8-719-911-19	s	1SS119
D12	8-719-800-86	s	TLG255

Q1	8-729-900-63	s	DTA124ES
Q2	8-729-900-63	s	DTA124ES
Q3	8-729-900-36	s	DTC124ES

R3	1-247-706-11	s	CARBON 330 5% 1/4W
R4	1-247-706-11	s	CARBON 330 5% 1/4W
R5	1-247-706-11	s	CARBON 330 5% 1/4W
R6	1-247-706-11	s	CARBON 330 5% 1/4W
R17	1-247-710-11	s	CARBON 560 5% 1/4W

S1	1-516-995-00	s	LEVER SLIDE
S2	1-516-995-00	s	LEVER SLIDE
S3	1-516-961-00	s	LEVER SLIDE
S4	1-516-995-00	s	LEVER SLIDE
S5	1-516-961-00	s	LEVER SLIDE
S6	1-516-995-00	s	LEVER SLIDE

Ref.No.	Parts No.	SP	Description
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SY-61 BOARD

IC6	8-759-550-88	o	C256-BVW75 V2.00 SY1
IC39	8-759-550-89	o	C512-BVW75 V2.01 SY2

1) A-6717-442-A o MOUNTED CIRCUIT BOARD, SY-61
 2) A-6717-442-B o MOUNTED CIRCUIT BOARD, SY-61

C1	1-124-236-00	s	ELECT 47 20% 10V
C3	1-126-103-11	s	ELECT 470 20% 16V
C5	1-126-103-11	s	ELECT 470 20% 16V
C101	1-124-462-00	s	ELECT 10 20% 16V
C107	1-162-720-11	s	CERAMIC 270pF 1% 50V

C108	1-124-234-00	s	ELECT 22 20% 16V
C111	1-162-887-11	s	CERAMIC 470pF 5% 50V
C201	1-124-462-00	s	ELECT 10 20% 16V
C209	1-107-169-00	s	MICA 100pF 5% 500V
C210	1-107-169-00	s	MICA 100pF 5% 500V

C212	1-123-611-00	s	ELECT 1 20% 50V
C213	1-123-611-00	s	ELECT 1 20% 50V
C301	1-131-347-00	s	TANTAL 1 10% 35V
C302	1-102-114-00	s	CERAMIC 470pF 10% 50V
C305	1-124-462-00	s	ELECT 10 20% 16V
C309	1-102-106-00	s	CERAMIC 100pF 10% 50V

CN301	1-506-748-11	s	DIN 96P
CN302	1-506-748-11	s	DIN 96P

CV101	1-141-297-11	s	TRIMMER, CERAMIC 90pF
CV102	1-141-260-00	s	TRIMMER, CERAMIC 30pF

D101	8-719-800-60	s	LN25RP
D102	8-719-911-19	s	1SS119
D103	8-719-911-19	s	1SS119
D104	8-719-911-19	s	1SS119
D201	8-719-911-19	s	1SS119

D202	8-719-911-19	s	1SS119
D203	8-719-911-19	s	1SS119
D204	8-719-911-19	s	1SS119
D205	8-719-911-19	s	1SS119
D206	8-719-911-19	s	1SS119

D301	8-719-911-19	s	1SS119
D302	8-719-911-19	s	1SS119
D303	8-719-911-19	s	1SS119

IC1	8-759-902-44	s	SN74LS244N (TI)
IC2	8-759-902-45	s	SN74LS245N (TI)
IC3	8-759-902-44	s	SN74LS244N (TI)
IC4	8-759-942-12	s	MBM2212-25P (FUJITSU)
IC5	8-759-057-02	s	SRM2016C10 (SEIKO EPSON)

IC7	8-759-208-85	s	TMP284C011AF (TOSHIBA)
IC8	8-759-202-13	s	TC74HCU04P (TOSHIBA)
IC9	8-759-600-61	s	M54529AP (MITSUBISHI)
IC10	8-759-202-16	s	TC74HC11P (TOSHIBA)
IC11	8-759-202-26	s	TC74HC138P (TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
IC12	8-759-202-26	s	TC74HC138P (TOSHIBA)
IC13	8-759-202-17	s	TC74HC14P (TOSHIBA)
IC14	8-759-240-50	s	TC4050BP (TOSHIBA)
1) IC15	8-759-240-53	s	TC4053BP (TOSHIBA)
2) IC15	8-759-208-10	s	TC4053BPHB (TOSHIBA)
IC16	8-759-203-52	s	TC74HC595P (TOSHIBA)
IC17	8-759-004-84	s	MC74HC597N (MOTOROLA)
IC18	8-759-708-05	s	NJM78L05A (JRC)
IC19	8-759-908-23	s	MB88303 (FUJITSU)
IC20	8-759-926-30	s	AM26LS30PC (ADVANCED MICRO DEVICES)
IC21	8-759-202-27	s	TC74HC157P (TOSHIBA)
IC22	8-759-202-27	s	TC74HC157P (TOSHIBA)
IC23	8-759-057-02	s	SRM2016C10 (SEIKO EPSON)
IC24	8-759-202-13	s	TC74HC04P (TOSHIBA)
IC25	8-759-729-03	s	NJM2903D (JRC)
IC26	8-759-008-57	s	MC34051P (MOTOROLA)
IC27	8-759-208-86	s	TM284C011AF (TOSHIBA)
IC28	8-759-202-56	s	TC74HC245P (TOSHIBA)
IC29	8-759-202-56	s	TC74HC245P (TOSHIBA)
IC30	8-759-916-82	s	LH0082AD (SHARP)
IC31	8-759-600-61	s	M54529AP (MITSUBISHI)
IC32	8-759-600-61	s	M54529AP (MITSUBISHI)
IC33	8-759-240-30	s	TC4030BP (TOSHIBA)
IC34	8-759-202-14	s	TC74HC08P (TOSHIBA)
IC35	8-759-906-97	s	SN74LS697N (TI)
IC36	8-759-906-97	s	SN74LS697N (TI)
IC37	8-759-600-61	s	M54529AP (MITSUBISHI)
IC38	8-759-938-68	s	CXD1095Q (SONY)
IC40	8-752-328-11	s	CXK5864BP-12L (SONY)
IC41	8-759-916-84	s	LH0084A (SHARP)
IC42	8-759-202-21	s	TC74HC32P (TOSHIBA)
IC43	8-759-202-21	s	TC74HC32P (TOSHIBA)
IC44	8-759-202-11	s	TC74HC00P (TOSHIBA)
IC45	8-759-603-32	s	M51958BL (MITSUBISHI)
IC46	8-759-202-14	s	TC74HC08P (TOSHIBA)
IC47	8-759-045-38	s	MC14538BCP (MOTOROLA)
IC48	8-759-140-69	s	uPD4069UBC (NEC)
IC49	8-759-001-14	s	MC74HC58N (MOTOROLA)
IC50	8-759-202-21	s	TC74HC32P (TOSHIBA)
IC51	8-759-202-13	s	TC74HC04P (TOSHIBA)
IC52	8-759-202-89	s	TC74HC139P (TOSHIBA)
IC53	8-759-202-12	s	TC74HC02P (TOSHIBA)
L1	1-459-155-00	s	45 (WITH CORE)
1) R247	1-217-666-31	s	SHORT 0.01 1/6W
R290	1-247-881-00	s	CARBON 120k 5% 1/4W
R307	1-247-887-00	s	CARBON 220k 5% 1/4W
R315	1-247-887-00	s	CARBON 220k 5% 1/4W
S101	1-570-707-11	s	SLIDE
S102	1-553-812-00	s	PUSH
S103	1-553-812-00	s	PUSH
S105	1-553-812-00	s	PUSH
S106	1-552-509-00	s	DIP
S201	1-570-707-11	s	SLIDE
S202	1-570-707-11	s	SLIDE
S203	1-570-623-11	s	DIP
S204	1-570-623-11	s	DIP
S206	1-553-812-00	s	PUSH

Ref.No. Parts No. SP Description

S302	1-552-509-00	s	DIP
X1	1-567-132-00	s	VIBRATOR 8.00MHz
X2	1-567-870-11	s	VIBRATOR 614.00kHz

SY-64 BOARD

A-6717-443-A o MOUNTED CIRCUIT BOARD, SY-64

C1	1-126-103-11	s	ELECT	470	20%	16V
C3	1-124-135-00	s	ELECT	470	20%	6.3V
C4	1-124-455-00	s	ELECT	100	20%	16V
C7	1-124-462-00	s	ELECT	10	20%	16V
C9	1-124-462-00	s	ELECT	10	20%	16V
C11	1-124-462-00	s	ELECT	10	20%	16V
C12	1-124-242-00	s	ELECT	33	20%	25V
C13	1-124-242-00	s	ELECT	33	20%	25V
C15	1-124-462-00	s	ELECT	10	20%	16V
C16	1-123-611-00	s	ELECT	1	20%	50V
C18	1-124-462-00	s	ELECT	10	20%	16V
C25	1-102-106-00	s	CERAMIC	100pF	10%	50V
C26	1-102-945-00	s	CERAMIC	8pF		50V
C27	1-102-951-00	s	CERAMIC	15pF		50V
C28	1-102-947-11	s	CERAMIC	10pF		50V
C32	1-124-462-00	s	ELECT	10	20%	16V
C61	1-124-236-00	s	ELECT	47	20%	10V
C63	1-124-236-00	s	ELECT	47	20%	10V
C65	1-161-463-00	s	CERAMIC	220pF	5%	50V
C66	1-161-463-00	s	CERAMIC	220pF	5%	50V
C67	1-124-462-00	s	ELECT	10	20%	16V
C68	1-124-236-00	s	ELECT	47	20%	10V
C71	1-124-465-00	s	ELECT	0.47	20%	50V
C72	1-162-889-11	s	CERAMIC	680pF	5%	50V
C74	1-161-463-00	s	CERAMIC	220pF	5%	50V
C75	1-102-106-00	s	CERAMIC	100pF	10%	50V
C124	1-102-114-00	s	CERAMIC	470pF	10%	50V
C302	1-124-462-00	s	ELECT	10	20%	16V
C305	1-124-462-00	s	ELECT	10	20%	16V
C309	1-162-880-11	s	CERAMIC	120pF	5%	50V
C310	1-102-947-11	s	CERAMIC	10pF		50V
C311	1-102-947-11	s	CERAMIC	10pF		50V
C312	1-124-462-00	s	ELECT	10	20%	16V
C313	1-162-880-11	s	CERAMIC	120pF	5%	50V
C314	1-124-462-00	s	ELECT	10	20%	16V
C315	1-124-236-00	s	ELECT	47	20%	10V
C316	1-162-880-11	s	CERAMIC	120pF	5%	50V
C318	1-124-236-00	s	ELECT	47	20%	10V
C319	1-124-236-00	s	ELECT	47	20%	10V
C352	1-102-106-00	s	CERAMIC	100pF	10%	50V
C401	1-129-794-00	s	FILM	0.0033	5%	100V
C404	1-162-887-11	s	CERAMIC	470pF	5%	50V
C405	1-124-224-00	s	ELECT	47	20%	6.3V
C406	1-130-726-00	s	FILM	0.0015	5%	100V
C409	1-162-885-11	s	CERAMIC	330pF	5%	50V
C410	1-124-224-00	s	ELECT	47	20%	6.3V
C412	1-123-611-00	s	ELECT	1	20%	50V
C413	1-124-257-00	s	ELECT	2.2	20%	50V
C414	1-124-236-00	s	ELECT	47	20%	10V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

CN303 1-568-144-11 s DIN 96P
 CN304 1-568-144-11 s DIN 96P
 CN305 1-566-311-11 s HEADER 10P

D2 8-719-200-02 s 10E2
 D3 8-719-200-02 s 10E2
 D4 8-719-200-02 s 10E2
 D5 8-719-200-02 s 10E2
 D6 8-719-200-02 s 10E2

D17 8-719-200-02 s 10E2
 D18 8-719-200-02 s 10E2
 D19 8-719-911-19 s 1SS119
 D20 8-719-911-19 s 1SS119
 D21 8-719-911-19 s 1SS119

D302 8-719-101-97 s 1SS97-1
 D303 8-719-101-97 s 1SS97-1
 D304 8-719-911-19 s 1SS119
 D305 8-719-911-19 s 1SS119
 D306 8-719-911-19 s 1SS119

D307 8-719-911-19 s 1SS119

IC1 8-743-430-00 s BX343 (SONY)
 IC2 8-759-800-72 s LA7205 (SANYO)
 IC3 8-759-800-72 s LA7205 (SANYO)
 IC4 8-759-114-14 s uPD78312CW-608 (NEC)
 IC5 8-759-990-82 s TL082CP (TI)

5) IC6 8-759-240-16 s TC4016BP (TOSHIBA)
 6) IC6 8-759-208-12 s TC4016BPHB (TOSHIBA)
 IC7 8-759-990-82 s TL082CP (TI)
 IC9 8-759-947-43 s TLC548IP (TI)
 IC10 8-759-203-35 s TC74HC373P (TOSHIBA)

IC11 8-759-057-02 s SRM2016C10 (SEIKO EPSON)
 IC12 8-759-340-46 s HD14046BP (HITACHI)
 IC15 8-759-990-84 s TL084CN (TI)
 IC16 8-759-990-84 s TL084CN (TI)
 IC17 8-759-990-82 s TL082CP (TI)

IC18 8-759-400-06 s AN608P (MATSUSHITA)
 IC19 8-759-912-64 s PA0009 (PIONEER)
 IC20 8-759-901-23 s SN74LS123N (TI)
 IC21 8-759-202-74 s TC74HC04P (TOSHIBA)
 IC22 8-759-057-02 s SRM2016C10 (SEIKO EPSON)

IC23 8-759-202-55 s TC74HC244P (TOSHIBA)
 IC24 8-759-909-16 s CX7907A (SONY)
 IC25 8-759-901-23 s SN74LS123N (TI)
 IC26 8-759-240-50 s TC4050BP (TOSHIBA)
 IC27 8-759-202-11 s TC74HC00P (TOSHIBA)

IC28 8-759-202-56 s TC74HC245P (TOSHIBA)
 IC29 8-759-001-14 s MC74HC58N (MOTOROLA)
 IC30 8-759-234-04 s TA7267BP (TOSHIBA)
 IC31 8-759-234-04 s TA7267BP (TOSHIBA)
 IC32 8-759-345-38 s HD14538BP (HITACHI)

IC33 8-759-202-14 s TC74HC08P (TOSHIBA)
 IC34 8-759-202-21 s TC74HC32P (TOSHIBA)
 IC35 8-759-240-01 s TC4001BP (TOSHIBA)
 IC36 8-759-205-76 s TC504013BP (TOSHIBA)
 IC37 8-759-600-34 s M54532P (MITSUBISHI)

Ref.No. Parts No. SP Description

IC38 8-759-202-14 s TC74HC08P (TOSHIBA)
 IC39 8-759-202-37 s TC74HC4050P (TOSHIBA)
 IC40 8-759-938-68 s CXD1095Q (SONY)
 IC41 8-759-202-14 s TC74HC08P (TOSHIBA)
 IC42 8-759-057-02 s SRM2016C10 (SEIKO EPSON)

IC43 8-759-202-33 s TC74HC240P (TOSHIBA)
 IC44 8-759-910-76 s CX7913A (SONY)
 IC45 8-759-645-23 s M54523P (MITSUBISHI)
 IC46 8-759-938-68 s CXD1095Q (SONY)
 IC47 8-759-938-68 s CXD1095Q (SONY)

IC48 8-759-202-74 s TC74HC04P (TOSHIBA)
 IC49 8-759-057-02 s SRM2016C10 (SEIKO EPSON)
 IC50 8-759-202-55 s TC74HC244P (TOSHIBA)
 IC51 8-759-909-72 s CX7912A (SONY)
 IC52 8-759-202-37 s TC74HC4050P (TOSHIBA)

IC53 8-759-205-76 s TC504013BP (TOSHIBA)
 IC54 8-759-203-83 s TC74HC4538P (TOSHIBA)
 IC55 8-759-240-71 s TC4071BP (TOSHIBA)

L1 1-412-533-11 s MICRO 47
 L301 1-410-482-31 s MICRO 100
 L302 1-410-482-31 s MICRO 100

Q1 8-729-600-27 s 2SC634SP
 Q2 8-729-117-54 s 2SA1175
 Q4 8-729-600-27 s 2SC634SP
 Q301 8-729-600-27 s 2SC634SP
 7) Q302 8-729-201-05 s 2SC2878-B

7) Q303 8-729-201-05 s 2SC2878-B
 7) Q304 8-729-201-05 s 2SC2878-B
 7) Q305 8-729-201-05 s 2SC2878-B

R411 1-217-666-31 s SHORT 0.01 1/6W
 R412 1-217-666-31 s SHORT 0.01 1/6W

RB301 1-231-387-00 s NETTY
 RB302 1-231-387-00 s NETTY

7) RV303 1-237-521-21 s VAR, CERMET 100k
 7) RV304 1-237-521-21 s VAR, CERMET 100k
 7) RV305 1-237-521-21 s VAR, CERMET 100k
 7) RV399 1-237-521-21 s VAR, CERMET 100k

S1 1-571-060-11 s SLIDE
 S2 1-570-707-11 s SLIDE
 S3 1-570-707-11 s SLIDE
 S4 1-570-707-11 s SLIDE
 S5 1-570-707-11 s SLIDE

S6 1-570-707-11 s SLIDE
 S7 1-570-707-11 s SLIDE
 7) S301 1-552-509-00 s DIP
 7) S302 1-552-509-00 s DIP

X1 1-527-227-00 s OSCILLATOR 14.31818MHz
 X301 1-527-828-00 s OSCILLATOR 12.00MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

TBC-7 BOARD

A-6711-809-C o MOUNTED CIRCUIT BOARD, TBC-7

C100	1-163-033-00	s	CERAMIC	0.022	50V
C102	1-163-033-00	s	CERAMIC	0.022	50V
C103	1-163-033-00	s	CERAMIC	0.022	50V
C105	1-135-076-21	s	TANTAL	1	35V
C108	1-163-033-00	s	CERAMIC	0.022	50V
C110	1-163-033-00	s	CERAMIC	0.022	50V
C111	1-163-033-00	s	CERAMIC	0.022	50V
C115	1-163-033-00	s	CERAMIC	0.022	50V
C121	1-163-033-00	s	CERAMIC	0.022	50V
C124	1-163-033-00	s	CERAMIC	0.022	50V
C125	1-163-033-00	s	CERAMIC	0.022	50V
C126	1-163-033-00	s	CERAMIC	0.022	50V
C128	1-163-033-00	s	CERAMIC	0.022	50V
C130	1-163-033-00	s	CERAMIC	0.022	50V
C135	1-163-037-11	s	CERAMIC	0.022	10% 25V
C205	1-163-033-00	s	CERAMIC	0.022	50V
C206	1-163-033-00	s	CERAMIC	0.022	50V
C209	1-163-033-00	s	CERAMIC	0.022	50V
C211	1-163-033-00	s	CERAMIC	0.022	50V
C213	1-163-033-00	s	CERAMIC	0.022	50V
C217	1-163-033-00	s	CERAMIC	0.022	50V
C219	1-163-033-00	s	CERAMIC	0.022	50V
C221	1-163-033-00	s	CERAMIC	0.022	50V
C225	1-162-568-11	s	CERAMIC	0.33	50V
C226	1-162-638-11	s	CERAMIC	1	16V
C227	1-163-033-00	s	CERAMIC	0.022	50V
C228	1-162-568-11	s	CERAMIC	0.33	25V
C229	1-162-638-11	s	CERAMIC	1	16V
C231	1-163-033-00	s	CERAMIC	0.022	50V
C234	1-163-033-00	s	CERAMIC	0.022	50V
C236	1-163-033-00	s	CERAMIC	0.022	50V
C242	1-163-033-00	s	CERAMIC	0.022	50V
C243	1-163-033-00	s	CERAMIC	0.022	50V
C245	1-163-033-00	s	CERAMIC	0.022	50V
C246	1-163-033-00	s	CERAMIC	0.022	50V
C248	1-163-033-00	s	CERAMIC	0.022	50V
C253	1-163-033-00	s	CERAMIC	0.022	50V
C254	1-163-033-00	s	CERAMIC	0.022	50V
C255	1-163-033-00	s	CERAMIC	0.022	50V
C259	1-163-033-00	s	CERAMIC	0.022	50V
C263	1-163-033-00	s	CERAMIC	0.022	50V
C265	1-163-033-00	s	CERAMIC	0.022	50V
C270	1-162-638-11	s	CERAMIC	1	16V
C271	1-163-033-00	s	CERAMIC	0.022	50V
C273	1-163-033-00	s	CERAMIC	0.022	50V
C276	1-163-033-00	s	CERAMIC	0.022	50V
C277	1-163-033-00	s	CERAMIC	0.022	50V
C281	1-163-033-00	s	CERAMIC	0.022	50V
C284	1-163-033-00	s	CERAMIC	0.022	50V
C286	1-124-462-00	s	ELECT	10	20% 16V
C288	1-163-033-00	s	CERAMIC	0.022	50V
C290	1-163-033-00	s	CERAMIC	0.022	50V
C291	1-163-033-00	s	CERAMIC	0.022	50V
C293	1-163-033-00	s	CERAMIC	0.022	50V
C295	1-163-033-00	s	CERAMIC	0.022	50V

Ref.No. Parts No. SP Description

C400	1-163-033-00	s	CERAMIC	0.022	50V
C402	1-163-033-00	s	CERAMIC	0.022	50V
C403	1-163-033-00	s	CERAMIC	0.022	50V
C405	1-135-076-21	s	TANTAL	1	10% 35V
C408	1-163-033-00	s	CERAMIC	0.022	50V
C412	1-163-033-00	s	CERAMIC	0.022	50V
C418	1-163-033-00	s	CERAMIC	0.022	50V
C419	1-163-033-00	s	CERAMIC	0.022	50V
C421	1-163-033-00	s	CERAMIC	0.022	50V
C422	1-163-033-00	s	CERAMIC	0.022	50V
C424	1-163-037-11	s	CERAMIC	0.022	10% 25V
C504	1-163-033-00	s	CERAMIC	0.022	50V
C505	1-124-462-00	s	ELECT	10	20% 16V
C509	1-163-033-00	s	CERAMIC	0.022	50V
C511	1-163-033-00	s	CERAMIC	0.022	50V
C521	1-163-033-00	s	CERAMIC	0.022	50V
C522	1-163-033-00	s	CERAMIC	0.022	50V
C524	1-163-033-00	s	CERAMIC	0.022	50V
C526	1-162-638-11	s	CERAMIC	1	16V
C527	1-162-568-11	s	CERAMIC	0.33	25V
C529	1-163-033-00	s	CERAMIC	0.022	50V
C531	1-163-033-00	s	CERAMIC	0.022	50V
C533	1-163-033-00	s	CERAMIC	0.022	50V
C535	1-163-033-00	s	CERAMIC	0.022	50V
C536	1-163-033-00	s	CERAMIC	0.022	50V
C537	1-163-033-00	s	CERAMIC	0.022	50V
C540	1-163-033-00	s	CERAMIC	0.022	50V
C542	1-163-033-00	s	CERAMIC	0.022	50V
C545	1-163-033-00	s	CERAMIC	0.022	50V
C548	1-163-033-00	s	CERAMIC	0.022	50V
C550	1-163-033-00	s	CERAMIC	0.022	50V
C555	1-163-033-00	s	CERAMIC	0.022	50V
C558	1-163-033-00	s	CERAMIC	0.022	50V
C559	1-163-033-00	s	CERAMIC	0.022	50V
C566	1-163-033-00	s	CERAMIC	0.022	50V
C569	1-163-033-00	s	CERAMIC	0.022	50V
C575	1-163-033-00	s	CERAMIC	0.022	50V
C578	1-163-033-00	s	CERAMIC	0.022	50V
C581	1-163-033-00	s	CERAMIC	0.022	50V
C583	1-163-037-11	s	CERAMIC	0.022	10% 25V
C600	1-163-033-00	s	CERAMIC	0.022	50V
C611	1-163-033-00	s	CERAMIC	0.022	50V
C612	1-163-033-00	s	CERAMIC	0.022	50V
C613	1-163-033-00	s	CERAMIC	0.022	50V
C615	1-163-033-00	s	CERAMIC	0.022	50V
C650	1-163-241-11	s	CERAMIC	39pF	5% 50V
C651	1-163-033-00	s	CERAMIC	0.022	50V
C680	1-131-367-00	s	TANTAL	22	10% 16V
C701	1-163-033-00	s	CERAMIC	0.022	50V
C704	1-163-033-00	s	CERAMIC	0.022	50V
C706	1-163-033-00	s	CERAMIC	0.022	50V
C708	1-163-033-00	s	CERAMIC	0.022	50V
C750	1-163-033-00	s	CERAMIC	0.022	50V
C801	1-163-033-00	s	CERAMIC	0.022	50V
C804	1-163-033-00	s	CERAMIC	0.022	50V
6) C805	1-163-037-11	s	CERAMIC	0.022	10% 25V
C807	1-163-033-00	s	CERAMIC	0.022	50V
C902	1-163-033-00	s	CERAMIC	0.022	50V
C905	1-163-033-00	s	CERAMIC	0.022	50V
C908	1-163-033-00	s	CERAMIC	0.022	50V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C911 1-163-033-00 s CERAMIC 0.022 50V
 C914 1-163-033-00 s CERAMIC 0.022 50V
 C917 1-163-033-00 s CERAMIC 0.022 50V
 C920 1-163-033-00 s CERAMIC 0.022 50V
 C923 1-163-033-00 s CERAMIC 0.022 50V
 C926 1-163-033-00 s CERAMIC 0.022 50V
 C929 1-163-033-00 s CERAMIC 0.022 50V
 C932 1-163-033-00 s CERAMIC 0.022 50V
 C935 1-163-033-00 s CERAMIC 0.022 50V

CN108 1-506-746-11 s DIN 48P
 CN109 1-506-748-11 s DIN 96P

D100 8-719-105-82 s RD5.1M-B2
 D200 8-719-106-08 s RD6.2M-B2
 D202 8-719-915-43 s FC54M
 D203 8-719-915-43 s FC54M
 D204 8-719-915-43 s FC54M

D205 8-719-938-98 s FC51M
 D206 8-719-938-98 s FC51M
 D207 8-719-938-98 s FC51M
 D208 8-719-101-23 s 1SS123
 D209 8-719-100-03 s 1S2835

D210 8-719-105-82 s RD5.1M-B2
 D211 8-719-106-62 s RD11M-B2
 D212 8-719-938-98 s FC51M
 D213 8-719-938-98 s FC51M
 D400 8-719-105-82 s RD5.1M-B2

D503 8-719-915-43 s FC54M
 D504 8-719-915-43 s FC54M
 D505 8-719-915-43 s FC54M
 D506 8-719-101-23 s 1SS123
 D507 8-719-106-62 s RD11M-B2

D508 8-719-105-82 s RD5.1M-B2
 D650 8-719-106-17 s RD6.8M-B2
 D680 8-719-101-23 s 1SS123
 D700 8-719-100-03 s 1S2835
 D704 8-719-105-82 s RD5.1M-B2

D705 8-719-105-82 s RD5.1M-B2
 D706 8-719-101-23 s 1SS123
 D707 8-719-106-17 s RD6.8M-B2

DL500 1-415-309-00 s 350ns

FL100 1-236-387-11 s LOW-PASS 7.0MHz
 FL400 1-236-387-11 s LOW-PASS 7.0MHz

IC101 8-749-901-45 s SBX4002-01 (NEC)
 IC102 8-759-908-15 s TL431CLP (TI)
 IC103 8-759-908-17 s TL082CPS (TI)
 IC105 8-752-032-55 s CXA1096M (SONY)
 IC108 8-759-948-32 s CXD1310AM (SONY)

IC201 8-759-201-47 s TA7357AP (TOSHIBA)
 IC203 8-759-941-27 s MB4002FF (FUJITSU)
 IC205 8-759-941-27 s MB4002FF (FUJITSU)
 IC206 8-759-907-81 s SN74LS221NS (TI)
 IC207 8-759-908-17 s TL082CPS (TI)

Ref.No. Parts No. SP Description

IC208 8-759-941-17 s SN74LS06NS (TI)
 IC209 8-759-012-00 s MC10H116M (MOTOROLA)
 IC210 8-759-012-13 s MC10H125M (MOTOROLA)
 IC211 8-759-230-23 s CXD1045AQ (SONY)
 IC212 8-749-901-21 s BX1461 (SONY)

IC213 8-759-908-17 s TL082CPS (TI)
 IC214 8-759-945-29 s TL601CPS (TI)
 IC215 8-759-907-81 s SN74LS221NS (TI)
 IC216 8-749-901-20 s BX1460 (SONY)
 IC217 8-759-105-49 s uPC319G2 (NEC)

IC218 8-759-239-58 s TC74HC221AF (TOSHIBA)
 IC219 8-759-205-06 s TC74HC74F (TOSHIBA)
 IC220 8-759-908-17 s TL082CPS (TI)
 IC221 8-759-945-29 s TL601CPS (TI)
 IC222 8-759-100-97 s uPC339G2 (NEC)

IC223 8-759-205-08 s TC74HC86F (TOSHIBA)
 IC224 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC225 8-759-908-17 s TL082CPS (TI)
 IC226 8-759-945-29 s TL601CPS (TI)
 IC228 8-759-908-17 s TL082CPS (TI)

IC231 8-759-204-98 s TC74HC08F (TOSHIBA)
 IC232 8-759-945-29 s TL601CPS (TI)
 IC234 8-759-205-17 s TC74HC174F (TOSHIBA)
 IC235 8-759-205-12 s TC74HC157F (TOSHIBA)
 IC236 8-759-205-12 s TC74HC157F (TOSHIBA)

IC237 8-759-908-17 s TL082CPS (TI)
 6) IC238 8-759-907-81 s SN74LS221NS (TI)
 5) IC239 8-759-205-05 s TC74HC32F (TOSHIBA)
 6) IC239 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC240 8-759-945-29 s TL601CPS (TI)

IC241 8-759-100-93 s uPC393G2 (NEC)
 IC401 8-749-901-45 s SBX4002-01 (NEC)
 IC403 8-752-032-55 s CXA1096M (SONY)
 IC404 8-759-948-32 s CXD1310AM (SONY)
 IC501 8-759-204-94 s TC74HC00F (TOSHIBA)

IC502 8-759-201-47 s TA7357AP (TOSHIBA)
 IC504 8-759-908-17 s TL082CPS (TI)
 IC505 8-759-941-17 s SN74LS06NS (TI)
 IC506 8-759-012-13 s MC10H125M (MOTOROLA)
 IC507 8-759-230-23 s CXD1045AQ (SONY)

IC508 8-749-901-21 s BX1461 (SONY)
 IC509 8-759-908-17 s TL082CPS (TI)
 IC510 8-759-945-29 s TL601CPS (TI)
 IC511 8-749-901-20 s BX1460 (SONY)
 IC512 8-759-907-81 s SN74LS221NS (TI)

IC513 8-759-941-27 s MB4002FF (FUJITSU)
 IC514 8-759-945-29 s TL601CPS (TI)
 IC516 8-759-908-17 s TL082CPS (TI)
 IC517 8-759-908-17 s TL082CPS (TI)
 IC519 8-759-205-08 s TC74HC86F (TOSHIBA)

IC520 8-759-945-29 s TL601CPS (TI)
 5) IC521 8-759-205-05 s TC74HC32F (TOSHIBA)
 IC522 8-759-105-49 s uPC319G2 (NEC)
 6) IC523 8-759-908-17 s TL082CPS (TI)
 IC610 8-759-908-15 s TL431CLP (TI)

IC611 8-759-908-17 s TL082CPS (TI)
 IC650 8-759-941-27 s MB4002FF (FUJITSU)
 IC700 8-759-945-29 s TL601CPS (TI)
 IC701 8-752-015-81 s CX20158 (SONY)
 IC702 8-752-332-67 s CXD1217M (SONY)

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Ref.No.	Parts No.	SP	Description
IC720	8-759-204-98	s	TC74HC08F (TOSHIBA)
5) IC800	8-759-945-29	s	TL601CPS (TI)
IC801	8-752-015-81	s	CX20158 (SONY)

L102	1-410-470-11	s	MICRO 10
L103	1-410-470-11	s	MICRO 10
L104	1-410-470-11	s	MICRO 10
L205	1-408-879-21	s	MICRO 0.47
L219	1-410-461-41	s	MICRO 1.8

L402	1-410-470-11	s	MICRO 10
L403	1-410-470-11	s	MICRO 10
L406	1-410-470-11	s	MICRO 10
L507	1-410-488-21	s	MICRO 330
L508	1-410-879-21	s	MICRO 0.47

L651	1-410-484-21	s	MICRO 150
L900	1-421-329-00	s	CHOKE
L901	1-421-329-00	s	CHOKE
L902	1-421-329-00	s	CHOKE
L903	1-421-329-00	s	CHOKE

L904	1-421-329-00	s	CHOKE
L905	1-421-329-00	s	CHOKE
L906	1-421-329-00	s	CHOKE
L907	1-421-329-00	s	CHOKE
L908	1-421-329-00	s	CHOKE

L909	1-421-329-00	s	CHOKE
L910	1-421-329-00	s	CHOKE
L911	1-421-329-00	s	CHOKE

LV200	1-407-563-11	s	VAR 1.0
LV201	1-407-563-11	s	VAR 1.0
LV500	1-407-563-11	s	VAR 1.0

Q100	8-729-100-66	s	2SC1623
Q101	8-729-106-68	s	2SD1615A
Q102	8-729-106-68	s	2SD1615A
Q103	8-729-102-07	s	2SC2223
Q104	8-729-102-07	s	2SC2223

Q105	8-729-109-43	s	2SK94-X3
Q201	8-729-100-66	s	2SC1623
Q203	8-729-100-66	s	2SC1623
Q204	8-729-100-66	s	2SC1623
Q205	8-729-100-66	s	2SC1623

Q206	8-729-100-66	s	2SC1623
Q207	8-729-100-66	s	2SC1623
Q208	8-729-109-43	s	2SK94-X3
Q211	8-729-102-07	s	2SC2223
Q212	8-729-102-07	s	2SC2223

Q213	8-729-109-43	s	2SK94-X3
Q214	8-729-102-07	s	2SC2223
Q215	8-729-100-76	s	2SA812
Q220	8-729-109-43	s	2SK94-X3
Q221	8-729-109-43	s	2SK94-X3

Q222	8-729-202-38	s	2SC3326N
Q223	8-729-800-44	s	2SK152
5) Q224	8-729-202-38	s	2SC3326N
6) Q224	8-729-900-53	s	DTC114EK
5) Q225	8-729-202-38	s	2SC3326N

Ref.No.	Parts No.	SP	Description
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6) Q225	8-729-900-53	s	DTC114EK
5) Q226	8-729-202-38	s	2SC3326N
6) Q226	8-729-900-53	s	DTC114EK
5) Q227	8-729-202-38	s	2SC3326N
6) Q227	8-729-900-53	s	DTC114EK

5) Q228	8-729-202-38	s	2SC3326N
6) Q228	8-729-900-53	s	DTC114EK
Q229	8-729-202-38	s	2SC3326N
Q230	8-729-202-38	s	2SC3326N
Q400	8-729-100-66	s	2SC1623

Q401	8-729-102-07	s	2SC2223
Q402	8-729-102-07	s	2SC2223
Q403	8-729-109-43	s	2SK94-X3
Q404	8-729-102-07	s	2SC2223
Q500	8-729-100-66	s	2SC1623

Q501	8-729-100-66	s	2SC1623
Q503	8-729-100-66	s	2SC1623
Q504	8-729-100-66	s	2SC1623
Q505	8-729-100-66	s	2SC1623
Q512	8-729-102-07	s	2SC2223

Q513	8-729-109-43	s	2SK94-X3
Q514	8-729-102-07	s	2SC2223
Q515	8-729-102-07	s	2SC2223
Q516	8-729-100-76	s	2SA812
Q610	8-729-106-68	s	2SD1615A

Q611	8-729-106-68	s	2SD1615A
Q680	8-729-109-43	s	2SK94-X3
Q681	8-729-100-66	s	2SC1623
Q800	8-729-109-43	s	2SK94-X3
Q801	8-729-109-43	s	2SK94-X3

Q802	8-729-100-66	s	2SC1623
6) Q803	8-729-109-43	s	2SK94-X3

R101	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R105	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W
R106	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W
R107	1-216-641-11	s	METAL CHIP 390	0.50%	1/10W
R111	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W

R114	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R115	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R135	1-216-677-11	s	METAL CHIP 12k	0.50%	1/10W
R139	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W
R140	1-216-653-11	s	METAL CHIP 1.2k	0.50%	1/10W

R142	1-216-018-00	s	CHIP 51	5%	1/10W
R149	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W
R205	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W
R213	1-216-653-11	s	METAL CHIP 1.2k	0.50%	1/10W
R218	1-216-699-11	s	METAL CHIP 5.6k	0.50%	1/10W

R219	1-216-691-11	s	METAL CHIP 47k	0.50%	1/10W
R220	1-216-674-11	s	METAL CHIP 9.1k	0.50%	1/10W
R222	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W
R249	1-216-682-11	s	METAL CHIP 20k	0.50%	1/10W
R250	1-216-669-11	s	METAL CHIP 5.6k	0.50%	1/10W

R251	1-216-682-11	s	METAL CHIP 20k	0.50%	1/10W
R252	1-216-671-11	s	METAL CHIP 6.8k	0.50%	1/10W
R254	1-216-695-11	s	METAL CHIP 68k	0.50%	1/10W
R258	1-216-671-11	s	METAL CHIP 6.8k	0.50%	1/10W
R259	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W

R264	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W
R267	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W
R270	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R271	1-216-680-11	s	METAL CHIP 16k	0.50%	1/10W
R272	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W

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Ref.No.	Parts No.	SP	Description	Ref.No.	Parts No.	SP	Description
R276	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W	R541	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R288	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W	R543	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W
R293	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W	R544	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R294	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W	R545	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R296	1-216-664-11	s	METAL CHIP 3.6k 0.50% 1/10W	R547	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R302	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W	R548	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R303	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W	R549	1-216-698-11	s	METAL CHIP 91k 0.50% 1/10W
R304	1-216-018-00	s	CHIP 51 5% 1/10W	R550	1-216-680-11	s	METAL CHIP 16k 0.50% 1/10W
R312	1-216-642-11	s	METAL CHIP 430 0.50% 1/10W	R551	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R313	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W	R552	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R314	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W	R553	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R316	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W	R565	1-216-644-11	s	METAL CHIP 510 0.50% 1/10W
R317	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W	R566	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
R330	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W	R567	1-216-686-11	s	METAL CHIP 30k 0.50% 1/10W
R337	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W	6) R571	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R338	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W	R581	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R340	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W	R585	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R341	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W	R586	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R348	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W	R587	1-216-018-00	s	CHIP 51 5% 1/10W
R353	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W	R594	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
6) R354	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W	R595	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R356	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W	R597	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R357	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W	R599	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R358	1-216-673-11	s	METAL CHIP 8.2k 0.50% 1/10W	R601	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R359	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W	R605	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W
R360	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W	R611	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R361	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W	R612	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R367	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W	R704	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
R368	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R708	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R371	1-216-652-11	s	METAL CHIP 1.1k 0.50% 1/10W	R709	1-216-652-11	s	METAL CHIP 1.1k 0.50% 1/10W
R372	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W	R710	1-216-673-11	s	METAL CHIP 8.2k 0.50% 1/10W
R375	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R717	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R376	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W	R718	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R379	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W	R719	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R380	1-216-666-11	s	METAL CHIP 4.3k 0.50% 1/10W	R720	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R401	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	R807	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R405	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W	R816	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R406	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W	RV100	1-237-515-21	s	VAR, CERMET 1k
R407	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W	RV101	1-237-514-21	s	VAR, CERMET 500
R411	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W	RV102	1-237-515-11	s	VAR, CERMET 1k
R412	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W	RV103	1-237-515-21	s	VAR, CERMET 1k
R426	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W	RV200	1-237-517-21	s	VAR, CERMET 5k
R431	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W	RV201	1-237-516-21	s	VAR, CERMET 2k
R432	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W	RV202	1-230-847-11	s	VAR, METAL FILM 500k
R433	1-216-018-00	s	CHIP 51 5% 1/10W	RV203	1-237-518-21	s	VAR, CERMET 10k
R438	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W	RV400	1-237-514-21	s	VAR, CERMET 500
R507	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W	RV401	1-237-516-21	s	VAR, CERMET 2k
R509	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV402	1-237-515-21	s	VAR, CERMET 1k
R510	1-216-635-11	s	METAL CHIP 220 0.50% 1/10W	RV500	1-237-516-21	s	VAR, CERMET 2k
R511	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W	RV501	1-237-516-21	s	VAR, CERMET 2k
R512	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	RV502	1-237-517-21	s	VAR, CERMET 5k
R513	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W	RV503	1-537-518-21	s	VAR, CERMET 10k
R517	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	RV610	1-237-515-21	s	VAR, CERMET 1k
R518	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W	S100	1-553-977-00	s	SLIDE
R522	1-216-691-11	s	METAL CHIP 47k 0.50% 1/10W	S101	1-553-977-00	s	SLIDE
R523	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W	S200	1-553-977-00	s	SLIDE
R527	1-216-674-11	s	METAL CHIP 9.1k 0.50% 1/10W	S400	1-553-977-00	s	SLIDE
R528	1-216-660-11	s	METAL CHIP 2.4k 0.50% 1/10W				
R535	1-216-682-11	s	METAL CHIP 20k 0.50% 1/10W				
R536	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W				

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Ref.No. Parts No. SP Description

TH201 1-800-198-XX s S-1K
 TH202 1-800-202-XX s S-10K
 TH501 1-800-198-XX s S-1K
 TH502 1-800-202-XX s S-10K

TBC-8 BOARD

This board includes the NR-25 board.

A-6711-810-C o MOUNTED CIRCUIT BOARD, TBC-8

C100	1-163-033-00	s	CERAMIC	0.022	50V
C101	1-163-033-00	s	CERAMIC	0.022	50V
C102	1-163-033-00	s	CERAMIC	0.022	50V
C103	1-163-033-00	s	CERAMIC	0.022	50V
C104	1-163-033-00	s	CERAMIC	0.022	50V
C105	1-162-637-11	s	CERAMIC	0.47	16V
C106	1-162-637-11	s	CERAMIC	0.47	16V
C107	1-162-637-11	s	CERAMIC	0.47	16V
C108	1-162-637-11	s	CERAMIC	0.47	16V
C113	1-163-033-00	s	CERAMIC	0.022	10% 25V
C114	1-163-033-00	s	CERAMIC	0.022	50V
C117	1-163-033-00	s	CERAMIC	0.022	50V
C118	1-163-033-00	s	CERAMIC	0.022	50V
C120	1-163-033-00	s	CERAMIC	0.022	50V
C122	1-162-638-11	s	CERAMIC	1	16V
C137	1-163-033-00	s	CERAMIC	0.022	50V
C138	1-163-033-00	s	CERAMIC	0.022	50V
C139	1-162-637-11	s	CERAMIC	0.47	16V
C140	1-162-637-11	s	CERAMIC	0.47	16V
C142	1-163-033-00	s	CERAMIC	0.022	50V
C144	1-163-033-00	s	CERAMIC	0.022	50V
C145	1-163-033-00	s	CERAMIC	0.022	50V
C146	1-162-637-11	s	CERAMIC	0.47	16V
C147	1-162-637-11	s	CERAMIC	0.47	16V
C200	1-162-637-11	s	CERAMIC	0.47	16V
C201	1-162-637-11	s	CERAMIC	0.47	16V
C202	1-163-033-00	s	CERAMIC	0.022	50V
C203	1-123-875-11	s	ELECT	10	20% 50V
C205	1-163-033-00	s	CERAMIC	0.022	50V
C207	1-163-033-00	s	CERAMIC	0.022	50V
C208	1-163-033-00	s	CERAMIC	0.022	50V
C210	1-162-638-11	s	CERAMIC	1	16V
C211	1-163-033-00	s	CERAMIC	0.022	50V
C212	1-163-033-00	s	CERAMIC	0.022	50V
C213	1-163-033-00	s	CERAMIC	0.022	50V
C214	1-163-033-00	s	CERAMIC	0.022	50V
C216	1-163-033-00	s	CERAMIC	0.022	50V
C218	1-162-637-11	s	CERAMIC	0.47	16V
C219	1-163-033-00	s	CERAMIC	0.022	50V
C221	1-163-033-00	s	CERAMIC	0.022	50V
C222	1-163-033-00	s	CERAMIC	0.022	50V
C300	1-163-033-00	s	CERAMIC	0.022	50V
C301	1-163-033-00	s	CERAMIC	0.022	50V
C307	1-163-247-11	s	CERAMIC	68pF	5% 50V
C308	1-163-247-11	s	CERAMIC	68pF	5% 50V
C400	1-162-637-11	s	CERAMIC	0.47	16V
C401	1-162-637-11	s	CERAMIC	0.47	16V
C402	1-162-637-11	s	CERAMIC	0.47	16V
C403	1-162-637-11	s	CERAMIC	0.47	16V
C408	1-163-033-00	s	CERAMIC	0.022	50V

Ref.No. Parts No. SP Description

C409	1-163-033-00	s	CERAMIC	0.022	50V
C420	1-163-033-00	s	CERAMIC	0.022	50V
C421	1-163-033-00	s	CERAMIC	0.022	50V
C422	1-163-033-00	s	CERAMIC	0.022	50V
C423	1-163-033-00	s	CERAMIC	0.022	50V
C428	1-163-033-00	s	CERAMIC	0.022	50V
C442	1-163-033-00	s	CERAMIC	0.022	50V
C443	1-163-033-00	s	CERAMIC	0.022	50V
C444	1-163-033-00	s	CERAMIC	0.022	50V
C500	1-163-033-00	s	CERAMIC	0.022	50V
C501	1-162-637-11	s	CERAMIC	0.47	16V
C502	1-162-637-11	s	CERAMIC	0.47	16V
C503	1-162-637-11	s	CERAMIC	0.47	16V
C504	1-163-033-00	s	CERAMIC	0.022	50V
C505	1-123-875-11	s	ELECT	10	20% 50V
C506	1-123-875-11	s	ELECT	10	20% 50V
C507	1-163-033-00	s	CERAMIC	0.022	50V
C509	1-163-033-00	s	CERAMIC	0.022	50V
C511	1-163-033-00	s	CERAMIC	0.022	50V
C512	1-163-033-00	s	CERAMIC	0.022	50V
C513	1-162-638-11	s	CERAMIC	1	16V
C514	1-163-033-00	s	CERAMIC	0.022	50V
C515	1-123-875-11	s	ELECT	10	20% 50V
C518	1-163-033-00	s	CERAMIC	0.022	50V
C520	1-163-033-00	s	CERAMIC	0.022	50V
C521	1-163-033-00	s	CERAMIC	0.022	50V
C523	1-163-033-00	s	CERAMIC	0.022	50V
C524	1-163-033-00	s	CERAMIC	0.022	50V
C525	1-163-033-00	s	CERAMIC	0.022	50V
C526	1-163-033-00	s	CERAMIC	0.022	50V
C527	1-162-638-11	s	CERAMIC	1	16V
C529	1-123-875-11	s	ELECT	10	20% 50V
C530	1-163-033-00	s	CERAMIC	0.022	50V
C532	1-163-033-00	s	CERAMIC	0.022	50V
C535	1-162-637-11	s	CERAMIC	0.47	16V
C536	1-163-033-00	s	CERAMIC	0.022	50V
C540	1-163-033-00	s	CERAMIC	0.022	50V
C543	1-163-033-00	s	CERAMIC	0.022	50V
C603	1-163-037-11	s	CERAMIC	0.022	10% 25V
C901	1-163-033-00	s	CERAMIC	0.022	50V
C902	1-163-033-00	s	CERAMIC	0.022	50V
C904	1-163-033-00	s	CERAMIC	0.022	50V
C906	1-163-033-00	s	CERAMIC	0.022	50V
C911	1-163-033-00	s	CERAMIC	0.022	50V
C913	1-163-033-00	s	CERAMIC	0.022	50V
C915	1-163-033-00	s	CERAMIC	0.022	50V
C917	1-163-033-00	s	CERAMIC	0.022	50V
C918	1-163-033-00	s	CERAMIC	0.022	50V
C920	1-163-033-00	s	CERAMIC	0.022	50V

CN106 1-506-746-11 s DIN 48P
 CN107 1-506-748-11 s DIN 96P
 CN700 1-564-410-11 s 40P

1) CV101 1-141-245-11 s TRIMMER, CERAMIC 30pF
 2) CV101 1-141-404-11 s TRIMMER, CERAMIC 30pF
 1) CV102 1-141-245-11 s TRIMMER, CERAMIC 30pF
 2) CV102 1-141-404-11 s TRIMMER, CERAMIC 30pF
 1) CV103 1-141-245-11 s TRIMMER, CERAMIC 30pF
 2) CV103 1-141-404-11 s TRIMMER, CERAMIC 30pF

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Ref.No.	Parts No.	SP	Description	Ref.No.	Parts No.	SP	Description
D201	8-719-105-52	s	RD3.6M-B2	L201	1-410-478-11	s	MICRO 47
D202	8-719-101-23	s	1SS123	L202	1-410-478-11	s	MICRO 47
D400	8-719-101-23	s	1SS123	L203	1-410-478-11	s	MICRO 47
D500	8-719-106-17	s	RD6.8M-B2	L300	1-410-478-11	s	MICRO 47
D501	8-719-106-17	s	RD6.8M-B2	L301	1-410-478-11	s	MICRO 47
IC100	8-759-012-13	s	MC10H125M (MOTOROLA)	L400	1-410-470-11	s	MICRO 10
IC101	8-759-942-28	s	CXD1022CQ (SONY)	L401	1-410-470-11	s	MICRO 10
	8-759-987-09	s	CXD8011AQ (SONY)	L500	1-410-478-11	s	MICRO 47
IC102	8-759-208-76	s	CXD1023AQ (SONY)	L501	1-410-478-11	s	MICRO 47
IC103	8-741-159-60	s	SBX1596-01 (SONY)	L502	1-410-478-11	s	MICRO 47
IC104	8-759-201-41	s	TD62901P (TOSHIBA)	L503	1-410-478-11	s	MICRO 47
IC106	8-759-981-99	s	RC4560M (RAYTHEON)	L504	1-410-478-11	s	MICRO 47
IC107	8-759-945-29	s	TL601CPS (TI)	L505	1-410-478-11	s	MICRO 47
IC108	8-759-904-80	s	74F04PC (FSC)	L900	1-421-329-00	s	CHOKE
IC109	8-759-204-96	s	TC74HC04F (TOSHIBA)	L901	1-421-329-00	s	CHOKE
IC110	8-759-204-96	s	TC74HC04F (TOSHIBA)	L902	1-421-329-00	s	CHOKE
5) IC112	8-759-948-35	s	CXD1309BQ (SONY)	L903	1-421-329-00	s	CHOKE
6) IC112	8-759-983-11	s	CXD8024Q (SONY)	L904	1-421-329-00	s	CHOKE
IC113	8-759-948-37	s	CXD1326AQ (SONY)	Q201	8-729-100-66	s	2SC1623
IC114	8-759-930-50	s	SN74LS157NS (TI)	Q202	8-729-102-07	s	2SC2223
IC200	8-752-322-72	s	CXK1202S (SONY)	Q203	8-729-102-07	s	2SC2223
IC201	8-759-208-88	s	CXD1131Q (SONY)	Q204	8-729-100-66	s	2SC1623
IC202	8-759-981-99	s	RC4560M (RAYTHEON)	Q205	8-729-109-43	s	2SK94-X3
IC203	8-759-508-58	s	MB40778H (FUJITSU)	Q400	8-729-100-66	s	2SC1623
IC204	8-759-981-99	s	RC4560M (RAYTHEON)	Q401	8-729-100-76	s	2SA812
IC400	8-759-987-09	s	CXD8011AQ (SONY)	Q402	8-729-100-76	s	2SA812
	8-759-942-28	s	CXD1022CQ (SONY)	Q500	8-729-100-66	s	2SC1623
IC401	8-759-208-76	s	CXD1023AQ (SONY)	Q501	8-729-100-66	s	2SC1623
IC402	8-741-159-60	s	SBX1596-01 (SONY)	Q502	8-729-100-66	s	2SC1623
IC403	8-759-205-08	s	TC74HC86F (TOSHIBA)	Q503	8-729-100-66	s	2SC1623
IC404	8-759-239-58	s	TC74HC221AF (TOSHIBA)	Q504	8-729-100-66	s	2SC1623
IC405	8-749-901-21	s	BX1461 (SONY)	Q505	8-729-100-66	s	2SC1623
IC406	8-759-208-11	s	TC4053BFHB (TOSHIBA)	Q900	8-729-106-68	s	2SD1615A
IC407	8-759-908-17	s	TL082CPS (TI)	R138	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
IC408	8-759-907-81	s	SN74LS221NS (TI)	R139	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
IC409	8-759-204-96	s	TC74HC04F (TOSHIBA)	R140	1-216-680-11	s	METAL CHIP 16k 0.50% 1/10W
IC500	8-752-322-72	s	CXK1202S (SONY)	R141	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
IC501	8-752-322-72	s	CXK1202S (SONY)	R142	1-216-662-11	s	METAL CHIP 3k 0.50% 1/10W
IC502	8-759-208-88	s	CXD1131Q (SONY)	R143	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
IC503	8-759-012-13	s	MC10H125M (MOTOROLA)	R144	1-216-676-11	s	METAL CHIP 11k 0.50% 1/10W
IC504	8-759-204-94	s	TC74HC00F (TOSHIBA)	R145	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
IC505	8-759-001-98	s	MC10198L (MOTOROLA)	R146	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W
IC506	8-759-508-58	s	MB40778H (FUJITSU)	R202	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W
IC507	8-759-508-58	s	MB40778H (FUJITSU)	R203	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
IC508	8-759-907-81	s	SN74LS221NS (TI)	R204	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
IC509	8-759-981-99	s	RC4560M (RAYTHEON)	R205	1-216-661-11	s	METAL CHIP 2.7k 0.50% 1/10W
IC510	8-759-204-98	s	TC74HC08F (TOSHIBA)	R206	1-216-674-11	s	METAL CHIP 9.1k 0.50% 1/10W
IC512	8-759-205-03	s	TC74HC27F (TOSHIBA)	R208	1-216-677-11	s	METAL CHIP 12k 0.50% 1/10W
IC601	8-759-205-06	s	TC74HC74F (TOSHIBA)	R209	1-216-676-11	s	METAL CHIP 11k 0.50% 1/10W
IC602	8-759-907-81	s	TC74HC74F (TOSHIBA)	R214	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
IC603	8-759-930-50	s	TC74HC74F (TOSHIBA)	R216	1-216-660-11	s	METAL CHIP 2.4k 0.50% 1/10W
IC900	8-759-908-15	s	TL431CLP (TI)	R217	1-216-672-11	s	METAL CHIP 7.5k 0.50% 1/10W
L100	1-410-470-11	s	MICRO 10	R220	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
L101	1-410-470-11	s	MICRO 10	R223	1-216-678-11	s	METAL CHIP 13k 0.50% 1/10W
L102	1-410-470-11	s	MICRO 10	R224	1-216-653-11	s	METAL CHIP 1.2k 0.50% 1/10W
L103	1-410-470-11	s	MICRO 10	R225	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
L200	1-410-478-11	s	MICRO 47	R226	1-216-641-11	s	METAL CHIP 390 0.50% 1/10W
				R227	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W

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Ref.No.	Parts No.	SP	Description			
R229	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R418	1-216-677-11	s	METAL CHIP 12k	0.50%	1/10W	
R424	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W	
R425	1-216-673-11	s	METAL CHIP 8.2k	0.50%	1/10W	
R426	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R427	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W	
R428	1-216-655-11	s	METAL CHIP 1.5k	0.50%	1/10W	
R430	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W	
R432	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W	
R433	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W	
R510	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R511	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R512	1-216-672-11	s	METAL CHIP 7.5k	0.50%	1/10W	
R513	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R514	1-216-661-11	s	METAL CHIP 2.7k	0.50%	1/10W	
R515	1-216-674-11	s	METAL CHIP 9.1k	0.50%	1/10W	
R520	1-216-646-11	s	METAL CHIP 620	0.50%	1/10W	
R521	1-216-653-11	s	METAL CHIP 1.2k	0.50%	1/10W	
R524	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W	
R529	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W	
R530	1-216-674-11	s	METAL CHIP 9.1k	0.50%	1/10W	
R535	1-216-646-11	s	METAL CHIP 620	0.50%	1/10W	
R536	1-216-653-11	s	METAL CHIP 1.2k	0.50%	1/10W	
R539	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W	
R540	1-216-677-11	s	METAL CHIP 12k	0.50%	1/10W	
R541	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W	
R542	1-216-678-11	s	METAL CHIP 13k	0.50%	1/10W	
R546	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R549	1-216-682-11	s	METAL CHIP 20k	0.50%	1/10W	
R571	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R572	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R573	1-216-677-11	s	METAL CHIP 12k	0.50%	1/10W	
R605	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R606	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R901	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R902	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
RV200	1-237-501-11	s	VAR, CERMET 2k			
RV400	1-237-514-11	s	VAR, CERMET 500			
RV500	1-237-501-11	s	VAR, CERMET 2k			
RV501	1-237-501-11	s	VAR, CERMET 2k			
RV502	1-237-499-11	s	VAR, CERMET 500			
RV601	1-237-518-11	s	VAR, CERMET 10k			

S500 1-554-149-21 s DIP

TBC-9 BOARD

A-6711-811-B o MOUNTED CIRCUIT BOARD, TBC-9

C3	1-162-638-11	s	CERAMIC 1	16V	
C4	1-163-033-00	s	CERAMIC 0.022	50V	
C5	1-163-033-00	s	CERAMIC 0.022	50V	
C9	1-135-083-00	s	TANTAL 0.47	10%	25V
C10	1-163-033-00	s	CERAMIC 0.022	50V	

Ref.No.	Parts No.	SP	Description			
C13	1-163-033-00	s	CERAMIC 0.022	50V		
C15	1-124-462-00	s	ELECT 10	20%	16V	
C17	1-163-033-00	s	CERAMIC 0.022	50V		
C19	1-163-033-00	s	CERAMIC 0.022	50V		
C20	1-135-083-00	s	TANTAL 0.47	10%	25V	
C21	1-124-462-00	s	ELECT 10	20%	16V	
C22	1-124-462-00	s	ELECT 10	20%	16V	
C24	1-163-033-00	s	CERAMIC 0.022	50V		
C25	1-163-033-00	s	CERAMIC 0.022	50V		
C27	1-163-033-00	s	CERAMIC 0.022	50V		
C32	1-163-033-00	s	CERAMIC 0.022	50V		
C33	1-163-033-00	s	CERAMIC 0.022	50V		
C35	1-163-033-00	s	CERAMIC 0.022	50V		
C36	1-163-033-00	s	CERAMIC 0.022	50V		
C38	1-163-033-00	s	CERAMIC 0.022	50V		
C39	1-162-638-11	s	CERAMIC 1	16V		
C41	1-163-033-00	s	CERAMIC 0.022	50V		
C43	1-163-033-00	s	CERAMIC 0.022	50V		
C45	1-163-033-00	s	CERAMIC 0.022	50V		
C47	1-162-638-11	s	CERAMIC 1	16V		
C50	1-163-033-00	s	CERAMIC 0.022	50V		
C52	1-163-037-11	s	CERAMIC 0.022	25V		
C59	1-163-033-00	s	CERAMIC 0.022	50V		
C60	1-163-033-00	s	CERAMIC 0.022	50V		
C64	1-163-033-00	s	CERAMIC 0.022	50V		
C66	1-163-033-00	s	CERAMIC 0.022	50V		
C73	1-163-033-00	s	CERAMIC 0.022	50V		
C75	1-163-033-00	s	CERAMIC 0.022	50V		
C77	1-163-033-00	s	CERAMIC 0.022	50V		
C81	1-163-033-00	s	CERAMIC 0.022	50V		
C83	1-163-033-00	s	CERAMIC 0.022	50V		
C86	1-163-033-00	s	CERAMIC 0.022	50V		
C89	1-163-033-00	s	CERAMIC 0.022	50V		
C91	1-135-083-00	s	TANTAL 0.47	10%	25V	
C92	1-124-462-00	s	ELECT 10	20%	16V	
C93	1-163-033-00	s	CERAMIC 0.022	50V		
C96	1-163-033-00	s	CERAMIC 0.022	50V		
C98	1-163-033-00	s	CERAMIC 0.022	50V		
C99	1-163-033-00	s	CERAMIC 0.022	50V		
C101	1-163-033-00	s	CERAMIC 0.022	50V		
C102	1-163-033-00	s	CERAMIC 0.022	50V		
C103	1-163-033-00	s	CERAMIC 0.022	50V		
C104	1-163-033-00	s	CERAMIC 0.022	50V		
C105	1-163-033-00	s	CERAMIC 0.022	50V		
C106	1-163-033-00	s	CERAMIC 0.022	50V		
C107	1-163-033-00	s	CERAMIC 0.022	50V		
C108	1-163-033-00	s	CERAMIC 0.022	50V		
C109	1-163-033-00	s	CERAMIC 0.022	50V		
C111	1-163-033-00	s	CERAMIC 0.022	50V		
C113	1-163-033-00	s	CERAMIC 0.022	50V		
C114	1-163-033-00	s	CERAMIC 0.022	50V		
C115	1-163-033-00	s	CERAMIC 0.022	50V		
C117	1-163-033-00	s	CERAMIC 0.022	50V		
C119	1-163-033-00	s	CERAMIC 0.022	50V		
C123	1-163-033-00	s	CERAMIC 0.022	50V		
C124	1-163-033-00	s	CERAMIC 0.022	50V		
C125	1-163-033-00	s	CERAMIC 0.022	50V		
C126	1-163-033-00	s	CERAMIC 0.022	50V		
C127	1-163-033-00	s	CERAMIC 0.022	50V		
C129	1-163-033-00	s	CERAMIC 0.022	50V		
C132	1-163-033-00	s	CERAMIC 0.022	50V		
C134	1-163-033-00	s	CERAMIC 0.022	50V		
C135	1-163-033-00	s	CERAMIC 0.022	50V		
C137	1-163-033-00	s	CERAMIC 0.022	50V		
C200	1-163-033-00	s	CERAMIC 0.022	50V		

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C201 1-163-033-00 s CERAMIC 0.022 50V
 C203 1-163-033-00 s CERAMIC 0.022 50V
 C204 1-163-033-00 s CERAMIC 0.022 50V
 C208 1-135-091-00 s TANTAL 1 10% 16V
 C210 1-163-033-00 s CERAMIC 0.022 50V

C214 1-163-033-00 s CERAMIC 0.022 50V
 C215 1-163-033-00 s CERAMIC 0.022 50V
 C216 1-131-096-00 s TANTAL 4.7 10% 16V
 C217 1-102-074-00 s CERAMIC 1000pF
 C301 1-163-037-11 s CERAMIC 0.022 10% 25V

C302 1-163-037-11 s CERAMIC 0.022 10% 25V

CN101 1-506-748-11 s DIN 96P

CP1 1-577-089-11 s OSCILLATOR 14.31818MHz
 CP2 1-577-089-11 s OSCILLATOR 14.31818MHz
 CP3 1-577-089-11 s OSCILLATOR 14.31818MHz

D1 8-719-100-03 s 1S2835
 D200 8-719-101-23 s 1SS123
 D201 8-719-105-58 s RD3.9M-B2
 D202 8-719-101-23 s 1SS123
 D203 8-719-100-03 s 1S2835
 D204 8-719-106-08 s RD6.2M-B2
 D205 8-719-101-23 s 1SS123

IC1 8-759-204-94 s TC74HC00F (TOSHIBA)
 IC2 8-752-006-13 s CX20061 (SONY)
 IC4 8-752-335-47 s CXD1216M (SONY)
 IC5 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC6 8-752-332-67 s CXD1217M (SONY)

IC7 8-759-239-58 s TC74HC221AF (TOSHIBA)
 IC9 8-759-239-58 s TC74HC221AF (TOSHIBA)
 IC10 8-752-332-67 s CXD1217M (SONY)
 IC11 8-759-205-08 s TC74HC86F (TOSHIBA)
 IC12 8-759-908-17 s TL082CPS (TI)

IC13 8-759-902-88 s SN74LS123NS (TI)
 IC14 8-759-700-95 s NJM1496M (JRC)
 IC16 8-759-205-05 s TC74HC32F (TOSHIBA)
 IC17 8-759-100-93 s uPC393G2 (NEC)
 IC18 8-759-908-17 s TL082CPS (TI)

IC19 8-759-008-52 s MC74HC123AF (MOTOROLA)
 IC20 8-759-908-15 s TL431CLP (TI)
 IC21 8-752-335-47 s CXD1216M (SONY)
 IC22 8-759-207-66 s CXD1024Q (SONY)
 IC23 8-752-332-67 s CXD1217M (SONY)

IC24 8-759-918-35 s CX20162 (SONY)
 IC25 8-759-904-84 s 74F74PC (FSG)
 IC26 8-759-929-83 s SN74LS11NS (TI)
 IC27 8-759-205-06 s TC74HC74F (TOSHIBA)
 IC28 8-759-204-96 s TC74HC04F (TOSHIBA)

IC29 8-759-205-23 s TC74HC244F (TOSHIBA)
 IC30 8-759-930-57 s SN74LS164NS (TI)
 IC31 8-759-012-02 s MC10HL24M (MOTOROLA)
 IC32 8-759-205-23 s TC74HC244F (TOSHIBA)
 IC33 8-759-008-52 s MC74HC123AF (MOTOROLA)

Ref.No. Parts No. SP Description

IC34 8-759-929-83 s SN74LS11NS (TI)
 IC35 8-759-205-08 s TC74HC86F (TOSHIBA)
 IC36 8-759-930-57 s SN74LS164NS (TI)
 IC37 8-759-908-15 s TL431CLP (TI)
 IC38 8-759-205-06 s TC74HC74F (TOSHIBA)

IC40 8-759-205-06 s TC74HC74F (TOSHIBA)
 IC41 8-759-907-81 s SN74LS221NS (TI)
 IC42 8-759-907-81 s SN74LS221NS (TI)
 IC200 8-759-941-27 s MB4002PF (FUJITSU)
 IC201 8-759-908-17 s TL082CPS (TI)

IC202 8-759-945-29 s TL601CPS (TI)
 IC203 8-759-105-49 s uPC319G2 (NEC)
 IC204 8-759-239-58 s TC74HC221AF (TOSHIBA)
 IC300 8-759-204-96 s TC74HC04F (TOSHIBA)
 IC301 8-759-205-05 s TC74HC32F (TOSHIBA)

IC302 8-759-930-57 s SN74LS164NS (TI)
 IC303 8-759-930-57 s SN74LS164NS (TI)

L1 1-410-478-11 s MICRO 47
 L2 1-410-478-11 s MICRO 47
 L3 1-410-478-11 s MICRO 47
 L4 1-410-478-11 s MICRO 47
 L5 1-410-478-11 s MICRO 47

L6 1-410-478-11 s MICRO 47
 L7 1-410-478-11 s MICRO 47
 L8 1-410-478-11 s MICRO 47
 L10 1-410-478-11 s MICRO 47
 L12 1-410-478-11 s MICRO 47

L15 1-410-470-11 s MICRO 10
 L16 1-410-478-11 s MICRO 47
 L17 1-410-478-11 s MICRO 47
 L19 1-410-478-11 s MICRO 47
 L20 1-410-478-11 s MICRO 47

L21 1-410-478-11 s MICRO 47
 L22 1-410-478-11 s MICRO 47
 L23 1-410-478-11 s MICRO 47
 L24 1-410-478-11 s MICRO 47
 L25 1-410-478-11 s MICRO 47

L26 1-410-478-11 s MICRO 47
 L27 1-410-478-11 s MICRO 47
 L28 1-421-329-00 s CHOKE
 L29 1-421-329-00 s CHOKE
 L31 1-421-329-00 s CHOKE

L32 1-421-329-00 s CHOKE
 L34 1-421-329-00 s CHOKE
 L35 1-410-478-11 s MICRO 47
 L36 1-410-478-11 s MICRO 47
 L201 1-410-482-31 s MICRO 100

L202 1-410-478-11 s MICRO 47

Q1 8-729-100-66 s 2SC1623
 Q2 8-729-100-66 s 2SC1623
 Q3 8-729-100-66 s 2SC1623
 Q4 8-729-100-76 s 2SA812
 Q5 8-729-100-66 s 2SC1623

Q6 8-729-100-76 s 2SA812
 Q7 8-729-100-66 s 2SC1623
 Q11 8-729-100-66 s 2SC1623
 Q12 8-729-100-66 s 2SC1623
 Q13 8-729-100-66 s 2SC1623

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q14	8-729-122-63	s	2SA1226			
Q15	8-729-100-66	s	2SC1623			
Q16	8-729-100-66	s	2SC1623			
Q17	8-729-122-63	s	2SA1226			
Q18	8-729-100-66	s	2SC1623			
Q19	8-729-100-66	s	2SC1623			
Q20	8-729-106-68	s	2SD1615A			
Q200	8-729-100-66	s	2SC1623			
Q201	8-729-109-42	s	2SK94			
Q202	8-729-109-42	s	2SK94			
Q203	8-729-100-66	s	2SC1623			
Q204	8-729-109-42	s	2SK94			
Q205	8-729-100-66	s	2SC1623			
R23	1-216-673-11	s	METAL CHIP 8.2k	0.50%	1/10W	
R24	1-216-673-11	s	METAL CHIP 8.2k	0.50%	1/10W	
R28	1-216-668-11	s	METAL CHIP 5.1k	0.50%	1/10W	
R29	1-216-676-11	s	METAL CHIP 11k	0.50%	1/10W	
R34	1-216-669-11	s	METAL CHIP 5.6k	0.50%	1/10W	
R35	1-216-671-11	s	METAL CHIP 6.8k	0.50%	1/10W	
R39	1-216-684-11	s	METAL CHIP 24k	0.50%	1/10W	
R40	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R42	1-216-671-11	s	METAL CHIP 6.8k	0.50%	1/10W	
R43	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R47	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W	
R48	1-216-683-11	s	METAL CHIP 22k	0.50%	1/10W	
R49	1-216-681-11	s	METAL CHIP 18k	0.50%	1/10W	
R50	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R53	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W	
R55	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W	
R56	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W	
R58	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R61	1-216-636-11	s	METAL CHIP 240	0.50%	1/10W	
R68	1-216-674-11	s	METAL CHIP 9.1k	0.50%	1/10W	
R69	1-216-650-11	s	METAL CHIP 910	0.50%	1/10W	
R70	1-216-649-11	s	METAL CHIP 820	0.50%	1/10W	
R75	1-216-641-11	s	METAL CHIP 390	0.50%	1/10W	
R76	1-216-018-00	s	CHIP 51	5%	1/10W	
R77	1-216-018-00	s	CHIP 51	5%	1/10W	
R78	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R79	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R82	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R83	1-216-635-11	s	METAL CHIP 220	0.50%	1/10W	
R86	1-216-650-11	s	METAL CHIP 910	0.50%	1/10W	
R92	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W	
R93	1-216-699-11	s	METAL CHIP 100k	0.50%	1/10W	
R94	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W	
R95	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W	
R97	1-216-674-11	s	METAL CHIP 9.1k	0.50%	1/10W	
R98	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R103	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R104	1-216-666-11	s	METAL CHIP 4.3k	0.50%	1/10W	
R108	1-216-690-11	s	METAL CHIP 43k	0.50%	1/10W	
R109	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R110	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R120	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W	
R138	1-216-670-11	s	METAL CHIP 6.2k	0.50%	1/10W	
R139	1-216-660-11	s	METAL CHIP 2.4k	0.50%	1/10W	
R181	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R182	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R183	1-216-663-11	s	METAL CHIP 3.3k	0.50%	1/10W	
R184	1-216-684-11	s	METAL CHIP 24k	0.50%	1/10W	
R185	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W	
R186	1-216-685-11	s	METAL CHIP 27k	0.50%	1/10W	

Ref.No. Parts No. SP Description

R189	1-216-661-11	s	METAL CHIP 2.7k	1%	1/8W	
R216	1-216-649-11	s	METAL CHIP 820	0.50%	1/10W	
R221	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R222	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W	
R229	1-216-668-11	s	METAL CHIP 5.1k	0.50%	1/10W	
R230	1-216-682-11	s	METAL CHIP 20k	0.50%	1/10W	
R232	1-247-903-31	s	CARBON 1M	0.50%	1/4W	
R233	1-247-855-11	s	CARBON 10k	0.50%	1/4W	
R332	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
R333	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W	
RV1	1-237-517-21	s	VAR, CERMET 5k			
RV2	1-237-517-21	s	VAR, CERMET 5k			
RV3	1-237-517-21	s	VAR, CERMET 5k			
RV4	1-237-519-21	s	VAR, CERMET 20k			
RV5	1-237-518-21	s	VAR, CERMET 10k			
RV8	1-237-518-21	s	VAR, CERMET 10k			
RV9	1-237-514-21	s	VAR, CERMET 500			
RV10	1-237-518-21	s	VAR, CERMET 10k			
RV11	1-237-517-21	s	VAR, CERMET 5k			
RV12	1-237-518-21	s	VAR, CERMET 10k			
RV13	1-237-518-21	s	VAR, CERMET 10k			
RV14	1-237-518-21	s	VAR, CERMET 10k			
RV15	1-237-518-21	s	VAR, CERMET 10k			

S3	1-571-967-11	s	DIP			
S4	1-571-967-11	s	DIP			

TH1 1-800-202-XX s S-10K

TC-40 BOARD

A-6717-444-A o MOUNTED CIRCUIT BOARD, TC-40

C32	1-163-133-00	s	CERAMIC 470pF	5%	50V	
C37	1-163-133-00	s	CERAMIC 470pF	5%	50V	
C59	1-124-477-11	s	ELECT 47	20%	25V	
C60	1-124-477-11	s	ELECT 47	20%	25V	
C201	1-124-477-11	s	ELECT 47	20%	25V	
C203	1-124-477-11	s	ELECT 47	20%	25V	
C205	1-124-477-11	s	ELECT 47	20%	25V	
C215	1-124-477-11	s	ELECT 47	20%	25V	
C216	1-124-477-11	s	ELECT 47	20%	25V	
C218	1-124-477-11	s	ELECT 47	20%	25V	
C219	1-124-477-11	s	ELECT 47	20%	25V	
C221	1-124-589-11	s	ELECT 47	20%	16V	
C222	1-126-103-11	s	ELECT 470	20%	16V	
C223	1-163-033-00	s	CERAMIC 0.022		50V	
C224	1-126-103-11	s	ELECT 470	20%	16V	
C225	1-163-033-00	s	CERAMIC 0.022		50V	
C229	1-124-477-11	s	ELECT 47	20%	25V	
C230	1-124-589-11	s	ELECT 47	20%	16V	
C231	1-124-462-00	s	ELECT 10	20%	16V	
C233	1-124-589-11	s	ELECT 47	20%	16V	

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C234 1-124-589-11 s ELECT 47 20% 16V
 C236 1-124-477-11 s ELECT 47 20% 25V
 C239 1-124-589-11 s ELECT 47 20% 16V
 C240 1-124-589-11 s ELECT 47 20% 16V
 C241 1-124-589-11 s ELECT 47 20% 16V

C242 1-124-589-11 s ELECT 47 20% 16V
 C246 1-124-499-11 s ELECT 1 20% 50V
 C253 1-124-477-11 s ELECT 47 20% 10V
 C254 1-124-477-11 s ELECT 47 20% 10V
 C256 1-124-462-00 s ELECT 10 20% 16V

C257 1-124-477-11 s ELECT 47 20% 25V
 C272 1-126-103-11 s ELECT 470 20% 16V
 C273 1-126-103-11 s ELECT 470 20% 16V
 C276 1-124-899-00 s ELECT 22 20% 25V
 C277 1-124-899-00 s ELECT 22 20% 25V

C279 1-124-477-11 s ELECT 47 20% 25V
 C280 1-124-499-11 s ELECT 1 20% 50V
 C403 1-124-477-11 s ELECT 47 20% 25V
 C405 1-124-477-11 s ELECT 47 20% 25V
 C406 1-124-499-11 s ELECT 1 20% 50V

CN205 1-506-748-11 s DIN 96P

CP1 1-464-800-13 s OSCILLATOR BLOCK, ERASE

D1 8-719-100-03 s 1S2835
 D2 8-719-100-03 s 1S2835
 D3 8-719-100-03 s 1S2835
 D4 8-719-100-03 s 1S2835
 D5 8-719-100-03 s 1S2835

D151 8-719-911-19 s 1SS119
 D152 8-719-911-19 s 1SS119
 D201 8-719-101-23 s 1SS123
 D203 8-719-101-23 s 1SS123
 D204 8-719-101-23 s 1SS123

D206 8-719-100-03 s 1S2835
 D207 8-719-101-23 s 1SS123
 D251 8-719-911-19 s 1SS119
 D252 8-719-911-19 s 1SS119
 D401 8-719-100-03 s 1S2835

D403 8-719-100-03 s 1S2835

IC1 8-759-700-94 s NJM5532M (JRC)
 IC2 8-759-700-94 s NJM5532M (JRC)
 IC3 8-759-700-94 s NJM5532M (JRC)
 IC201 8-759-700-43 s NJM4558M (JRC)
 IC202 8-759-700-43 s NJM4558M (JRC)

IC203 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC204 8-759-700-07 s NJM2903M (JRC)
 IC205 8-759-208-09 s TC4052BFHB (TOSHIBA)
 IC206 8-759-981-48 s TL082M (TI)
 IC207 8-759-208-09 s TC4052BFHB (TOSHIBA)

IC208 8-759-700-43 s NJM4558M (JRC)
 IC209 8-759-208-11 s TC4053BFHB (TOSHIBA)
 IC210 8-759-700-43 s NJM4558M (JRC)
 IC211 8-759-705-62 s NJM4562D-D (JRC)
 IC212 8-759-200-90 s TC4538BF (TOSHIBA)

Ref.No. Parts No. SP Description

IC213 8-759-200-77 s TC4028BF (TOSHIBA)
 IC214 8-759-204-06 s TC4075BF (TOSHIBA)
 IC215 8-759-745-56 s NJM4556D (JRC)
 IC216 8-759-700-43 s NJM4558M (JRC)
 IC401 8-759-970-83 s MB88525-190M (FUJITSU)

IC402 8-759-301-13 s HD14584BFP (HITACHI)
 IC403 8-759-200-82 s TC4069UBF (TOSHIBA)
 IC404 8-759-914-03 s SN74LS06N (TI)
 IC405 8-759-200-82 s TC4069UBF (TOSHIBA)
 IC406 8-759-600-61 s M54529AP (MITSUBISHI)

IC407 8-759-200-68 s TC4011BF (TOSHIBA)
 IC408 8-759-200-68 s TC4011BF (TOSHIBA)
 IC409 8-759-200-68 s TC4011BF (TOSHIBA)
 IC410 8-759-205-78 s TC504013BF (TOSHIBA)
 IC411 8-759-205-78 s TC504013BF (TOSHIBA)

IC412 8-759-205-78 s TC504013BF (TOSHIBA)
 IC413 8-759-914-03 s SN74LS06N (TI)
 IC415 8-759-200-82 s TC4069UBF (TOSHIBA)

L1 1-412-533-11 s MICRO 47
 L2 1-412-533-11 s MICRO 47
 L3 1-412-533-11 s MICRO 47
 L4 1-412-533-11 s MICRO 47
 L5 1-412-533-11 s MICRO 47

L201 1-412-533-11 s MICRO 47
 L202 1-412-533-11 s MICRO 47
 L401 1-412-533-11 s MICRO 47

Q1 8-729-216-21 s 2SA1162Y
 Q2 8-729-216-21 s 2SA1162Y
 Q3 8-729-202-38 s 2SC3326N
 Q4 8-729-216-21 s 2SA1162Y
 Q5 8-729-216-21 s 2SA1162Y

Q6 8-729-216-21 s 2SA1162Y
 Q7 8-729-202-38 s 2SC3326N
 Q8 8-729-216-21 s 2SA1162Y
 Q9 8-729-216-21 s 2SA1162Y
 Q10 8-729-216-21 s 2SA1162Y

Q11 8-729-202-38 s 2SC3326N
 Q12 8-729-216-21 s 2SA1162Y
 Q13 8-729-216-21 s 2SA1162Y
 Q14 8-729-216-21 s 2SA1162Y
 Q15 8-729-177-33 s 2SD773-4

Q16 8-729-113-34 s 2SB733-5
 Q17 8-729-271-23 s 2SC2712
 Q18 8-729-271-23 s 2SC2712
 Q19 8-729-177-33 s 2SD773-4
 Q20 8-729-113-34 s 2SB733-5

Q21 8-729-271-23 s 2SC2712
 Q22 8-729-271-23 s 2SC2712
 Q23 8-729-177-33 s 2SD773-4
 Q24 8-729-113-34 s 2SB733-5
 Q25 8-729-107-84 s 2SC3623A-L

Q26 8-729-107-84 s 2SC3623A-L
 Q27 8-729-107-84 s 2SC3623A-L
 Q28 8-729-107-84 s 2SC3623A-L
 Q29 8-729-107-84 s 2SC3623A-L
 Q30 8-729-107-84 s 2SC3623A-L

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

C-40, TR-18, VO-18

Ref.No. Parts No. SP Description

Q31 8-729-216-21 s 2SA1162Y
Q32 8-729-982-23 s 2SB822
Q33 8-729-271-23 s 2SC2712
Q34 8-729-271-23 s 2SC2712
Q35 8-729-271-23 s 2SC2712

Q36 8-729-271-23 s 2SC2712
Q37 8-729-271-23 s 2SC2712
Q38 8-729-901-04 s DTA114EK
Q39 8-729-202-38 s 2SC3326N
Q40 8-729-202-38 s 2SC3326N

Q201 8-729-600-27 s 2SC634SP
Q202 8-729-177-54 s 2SA1175
Q203 8-729-271-23 s 2SC2712
Q204 8-729-271-23 s 2SC2712
Q205 8-729-901-06 s DTA144EK

Q206 8-729-901-06 s DTA144EK
Q207 8-729-202-38 s 2SC3326N
Q208 8-729-202-38 s 2SC3326N
Q209 8-729-202-38 s 2SC3326N
Q210 8-729-202-38 s 2SC3326N

Q211 8-729-271-23 s 2SC2712
Q212 8-729-271-23 s 2SC2712
Q213 8-729-109-42 s 2SK94
Q214 8-729-901-06 s DTA144EK
Q215 8-729-901-06 s DTA144EK

Q401 8-729-271-23 s 2SC2712
Q402 8-729-271-23 s 2SC2712

R15 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R16 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
R18 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
R33 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R34 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R36 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
R55 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W
R56 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
R57 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
R58 1-216-671-11 s METAL CHIP 6.8k 0.50% 1/10W

R61 1-216-092-00 s CHIP 62k 5% 1/10W
R66 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
R67 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
R73 1-249-453-11 s CARBON 3.3 5% 1/4W
R80 1-249-453-11 s CARBON 3.3 5% 1/4W

R81 1-249-453-11 s CARBON 3.3 5% 1/4W
R84 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R87 1-249-453-11 s CARBON 3.3 5% 1/4W
R88 1-249-453-11 s CARBON 3.3 5% 1/4W
R110 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R118 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
R120 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
R121 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R122 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
R227 1-216-042-11 s CHIP 510 5% 1/10W

Ref.No. Parts No. SP Description

R238 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R337 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R338 1-216-647-11 s METAL CHIP 680 0.50% 1/10W
R341 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
R342 1-216-676-11 s METAL CHIP 11k 0.50% 1/10W

R343 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
R344 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R345 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
R346 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
R347 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W

R348 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
R349 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
R359 1-216-691-11 s METAL CHIP 47k 0.50% 1/10W

RV1 1-237-518-21 s VAR, CERMET 10k
RV2 1-237-518-21 s VAR, CERMET 10k
RV3 1-237-518-21 s VAR, CERMET 10k
RV4 1-237-519-21 s VAR, CERMET 20k
RV5 1-237-512-21 s VAR, CERMET 100

RV6 1-237-518-21 s VAR, CERMET 10k
RV7 1-237-515-21 s VAR, CERMET 1k
RV201 1-237-516-21 s VAR, CERMET 2k
RV202 1-237-516-21 s VAR, CERMET 2k

S1 1-570-602-11 s DIP
S2 1-570-619-11 s DIP
S3 1-570-619-11 s DIP

TH1 1-800-200-00 s S-3K
TH2 1-800-200-00 s S-3K

X401 1-579-693-11 s VIBRATOR 6.00MHz

TR-18 BOARD

1-611-279-13 o PRINTED CIRCUIT BOARD, TR-18

8-745-001-07 s DM230-1

VO-18 BOARD

A-6711-813-A o MOUNTED CIRCUIT BOARD, VO-18

C3 1-124-584-00 s ELECT 100 20% 10V
C5 1-124-584-00 s ELECT 100 20% 10V
C13 1-131-359-00 s TANTAL 10 20% 25V
C14 1-131-359-00 s TANTAL 10 20% 25V
C15 1-124-224-00 s ELECT 47 20% 6.3V

C18 1-163-111-00 s CERAMIC 56pF 5% 50V
C20 1-124-225-00 s ELECT 100 20% 6.3V
C27 1-124-236-00 s ELECT 47 20% 10V
C29 1-124-236-00 s ELECT 47 20% 10V
C30 1-124-222-00 s ELECT 22 20% 6.3V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C32	1-124-465-00	s	ELECT	0.47	20%	50V
C45	1-124-584-00	s	ELECT	100	20%	10V
C48	1-124-584-00	s	ELECT	100	20%	10V
C52	1-163-105-00	s	CERAMIC	33pF	5%	50V
C55	1-124-584-00	s	ELECT	100	20%	10V
C56	1-124-584-00	s	ELECT	100	20%	10V
C70	1-124-584-00	s	ELECT	100	20%	10V
C76	1-124-225-00	s	ELECT	100	20%	6.3V
C78	1-124-224-00	s	ELECT	47	20%	6.3V
C87	1-124-224-00	s	ELECT	47	20%	6.3V

C608	1-124-899-00	s	ELECT	22	20%	25V
C611	1-124-499-11	s	ELECT	1	20%	50V
C613	1-124-499-11	s	ELECT	1	20%	50V
C616	1-124-225-00	s	ELECT	100	20%	6.3V
C628	1-124-899-00	s	ELECT	22	20%	25V

C631	1-124-499-11	s	ELECT	1	20%	50V
C633	1-124-499-11	s	ELECT	1	20%	50V
C646	1-124-899-00	s	ELECT	22	20%	25V
C648	1-124-899-00	s	ELECT	22	20%	25V
C651	1-136-157-00	s	MYLAR	0.022	10%	50V

C655	1-124-222-00	s	ELECT	22	20%	6.3V
C702	1-163-033-00	s	CERAMIC	0.022		50V
C703	1-163-033-00	s	CERAMIC	0.022		50V
C704	1-124-462-00	s	ELECT	10	20%	16V
C705	1-163-033-00	s	CERAMIC	0.022		50V

C706	1-124-462-00	s	ELECT	10	20%	16V
C707	1-163-033-00	s	CERAMIC	0.022		50V
C710	1-163-033-00	s	CERAMIC	0.022		50V
C713	1-163-033-00	s	CERAMIC	0.022		50V
C714	1-163-033-00	s	CERAMIC	0.022		50V

C715	1-163-033-00	s	CERAMIC	0.022		50V
C716	1-163-033-00	s	CERAMIC	0.022		50V
C717	1-124-927-11	s	ELECT	4.7	20%	50V
C718	1-163-033-00	s	CERAMIC	0.022		50V
C719	1-163-033-00	s	CERAMIC	0.022		50V

C720	1-163-033-00	s	CERAMIC	0.022		50V
C721	1-124-462-00	s	ELECT	10	20%	16V
C722	1-124-234-00	s	ELECT	22	20%	10V
C723	1-124-234-00	s	ELECT	20	20%	10V
C724	1-124-229-00	s	ELECT	33	20%	6.3V

C725	1-124-224-00	s	ELECT	47	20%	6.3V
C726	1-163-033-00	s	CERAMIC	0.022		50V
C727	1-163-033-00	s	CERAMIC	0.022		50V

CN103	1-506-748-11	s	DIN 96P			
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CV1	1-141-260-00	s	TRIMMER 50pF			
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D1	8-719-109-55	s	RD2.4ES-B			
D2	8-719-109-55	s	RD2.4ES-B			
D601	8-719-101-23	s	1SS123			
D602	8-719-101-23	s	1SS123			
D603	8-719-921-11	s	HZ2ALL			

D604	8-719-921-11	s	HZ2ALL			
D605	8-719-101-23	s	1SS123			

DL1	1-415-565-11	s	370ns			
DL2	1-415-543-11	s	ACTIVE			

Ref.No. Parts No. SP Description

FB601	1-535-178-00	s	FERRITE BEAD			
FB602	1-535-178-00	s	FERRITE BEAD			

FL1	1-236-005-11	s	LOW-PASS	5.5MHz		
FL601	1-236-014-11	s	BANDPASS			
FL602	1-236-015-11	s	BANDPASS			
FL603	1-236-590-11	s	LOW-PASS	1.0MHz		
FL604	1-236-590-11	s	LOW-PASS	1.0MHz		

FL700	1-236-139-11	s	LOW-PASS	3.58MHz		
FL701	1-236-139-11	s	LOW-PASS	3.58MHz		

IC1	8-759-014-29	s	MC34184M (MOTOROLA)			
IC3	8-759-947-82	s	TL610CPS (TI)			
IC4	8-752-015-81	s	CX20158 (SONY)			
IC5	8-752-015-81	s	CX20158 (SONY)			
IC6	8-752-015-81	s	CX20158 (SONY)			

IC7	8-759-204-94	s	TC74HC00F (TOSHIBA)			
IC8	8-759-941-17	s	SN74LS06NS (TI)			
IC9	8-759-204-98	s	TC74HC08F (TOSHIBA)			
IC10	8-759-204-96	s	TC74HC04F (TOSHIBA)			
IC11	8-752-015-81	s	CX20158 (SONY)			

IC12	8-752-015-81	s	CX20158 (SONY)			
IC13	8-752-015-81	s	CX20158 (SONY)			
IC14	8-752-015-81	s	CX20158 (SONY)			
IC15	8-759-908-17	s	TL082CPS (TI)			
IC16	8-759-009-07	s	MC14053BF (MOTOROLA)			

IC17	8-759-030-16	s	MC34182M (MOTOROLA)			
IC100	8-759-708-05	s	NJM78L05A (JRC)			
IC101	8-759-708-08	s	NJM78L08A (JRC)			
IC102	8-759-700-65	s	NJM79L05A (JRC)			
IC103	8-759-700-67	s	NJM79L08A (JRC)			

IC104	8-759-708-05	s	NJM78L05A (JRC)			
IC105	8-759-700-65	s	NJM79L05A (JRC)			
IC106	8-759-708-05	s	NJM78L05A (JRC)			
IC107	8-759-700-65	s	NJM79L05A (JRC)			
IC108	8-759-941-79	s	S-80230AG (SEIKO I AND E)			

IC109	8-759-708-08	s	NJM78L08A (JRC)			
IC110	8-759-700-65	s	NJM79L05A (JRC)			
IC111	8-759-937-61	s	S-81230AG (SEIKO I AND E)			
IC112	8-759-708-05	s	NJM78L05A (JRC)			
IC113	8-759-700-65	s	NJM79L05A (JRC)			

IC601	8-752-011-00	s	CX20111 (SONY)			
IC602	8-752-011-00	s	CX20111 (SONY)			
IC603	8-759-207-74	s	TC4030BFHB (TOSHIBA)			
IC604	8-759-700-43	s	NJM4558M (JRC)			
IC605	8-759-205-78	s	TC504013BF (TOSHIBA)			

IC606	8-759-200-90	s	TC4538BF (TOSHIBA)			
IC700	8-759-941-27	s	MB4002PF (FUJITSU)			
IC701	8-759-929-80	s	SN74LS08NS (TI)			
IC702	8-749-938-10	s	BX381 (SONY)			
IC703	8-759-030-16	s	MC34182M (MOTOROLA)			

IC704	8-759-100-93	s	uPC393G2 (NEC)			
IC705	8-759-008-52	s	MC74HC123AF (MOTOROLA)			
IC706	8-759-947-82	s	TL610CPS (TI)			
IC707	8-752-015-81	s	CX20158 (SONY)			
IC708	8-759-929-78	s	SN74LS04NS (TI)			

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

L1 1-421-329-00 s CHOKE
 L2 1-421-329-00 s CHOKE
 L3 1-421-329-00 s CHOKE
 L4 1-421-329-00 s CHOKE
 L5 1-421-329-00 s CHOKE

L7 1-410-478-11 s MICRO 47
 L8 1-410-478-11 s MICRO 47
 L9 1-410-478-11 s MICRO 47
 L12 1-410-478-11 s MICRO 47
 L13 1-410-478-11 s MICRO 47

L14 1-410-478-11 s MICRO 47
 L17 1-410-482-31 s MICRO 100
 L20 1-410-471-11 s MICRO 12
 L701 1-410-478-11 s MICRO 47
 L702 1-410-478-11 s MICRO 47
 L703 1-410-478-11 s MICRO 47
 L704 1-410-478-11 s MICRO 47

LV1 1-407-573-00 s VAR 47
 LV2 1-407-573-00 s VAR 47

Q1 8-729-100-66 s 2SC1623
 Q2 8-729-100-66 s 2SC1623
 Q3 8-729-931-02 s 2SC2413KQ
 Q4 8-729-931-02 s 2SC2413KQ
 Q5 8-729-931-02 s 2SC2413KQ

Q6 8-729-102-07 s 2SC2223-F13
 Q7 8-729-931-02 s 2SC2413KQ
 Q8 8-729-931-02 s 2SC2413KQ
 Q9 8-729-931-02 s 2SC2413KQ
 Q10 8-729-931-02 s 2SC2413KQ

Q11 8-729-907-27 s IMXIT110
 Q12 8-729-931-02 s 2SC2413KQ
 Q13 8-729-122-63 s 2SA1226
 Q14 8-729-931-02 s 2SC2413KQ
 Q15 8-729-122-63 s 2SA1226

Q16 8-729-931-02 s 2SC2413KQ
 Q17 8-729-931-02 s 2SC2413KQ
 Q18 8-729-931-02 s 2SC2413KQ
 Q19 8-729-100-76 s 2SA812
 Q20 8-729-931-02 s 2SC2413KQ

Q21 8-729-902-97 s FMS1
 Q22 8-729-903-10 s FMW1
 Q25 8-729-931-02 s 2SC2413KQ
 Q26 8-729-100-76 s 2SA812
 Q27 8-729-100-76 s 2SA812

Q28 8-759-100-66 s 2SC1623
 Q29 8-759-100-66 s 2SC1623
 Q30 8-729-904-42 s FMY3
 Q31 8-729-122-63 s 2SA1226
 Q32 8-729-931-02 s 2SC2413KQ

Q35 8-729-931-02 s 2SC2413KQ
 Q36 8-729-931-02 s 2SC2413KQ
 Q37 8-729-931-02 s 2SC2413KQ
 Q38 8-729-907-27 s IMXIT110
 Q39 8-729-931-02 s 2SC2413KQ

Q40 8-729-901-01 s DTG144EK
 Q501 8-729-100-76 s 2SA812
 Q502 8-729-100-76 s 2SA812
 Q503 8-729-902-97 s FMS1
 Q504 8-729-903-10 s FMW1

Ref.No. Parts No. SP Description

Q601 8-729-100-66 s 2SC1623
 Q602 8-729-100-66 s 2SC1623
 Q603 8-729-100-66 s 2SC1623
 Q604 8-729-100-66 s 2SC1623
 Q605 8-729-100-66 s 2SC1623

Q700 8-729-100-66 s 2SC1623
 Q701 8-729-931-02 s 2SC2413KQ
 Q702 8-729-931-02 s 2SC2413KQ
 Q703 8-729-100-66 s 2SC1623
 Q704 8-729-904-42 s FMY3

R1 1-216-638-11 s METAL CHIP 300 0.50% 1/10W
 R2 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R4 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R5 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R7 1-216-647-11 s METAL CHIP 680 0.50% 1/10W

R8 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R11 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R14 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R15 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R16 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R17 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R18 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R19 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R20 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R21 1-216-627-11 s METAL CHIP 100 0.50% 1/10W

R26 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R27 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R30 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R31 1-216-645-11 s METAL CHIP 560 0.50% 1/10W
 R32 1-216-627-11 s METAL CHIP 100 0.50% 1/10W

R33 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R34 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R36 1-216-631-11 s METAL CHIP 150 0.50% 1/10W
 R39 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R40 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R41 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R42 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R43 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R44 1-216-636-11 s METAL CHIP 240 0.50% 1/10W
 R48 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

R50 1-216-611-11 s METAL CHIP 22 0.50% 1/10W
 R51 1-216-611-11 s METAL CHIP 22 0.50% 1/10W
 R58 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R72 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R73 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R75 1-216-644-11 s METAL CHIP 510 0.50% 1/10W
 R79 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R81 1-216-641-11 s METAL CHIP 390 0.50% 1/10W
 R85 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R91 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R92 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R93 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R94 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R95 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R96 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R97 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R98 1-216-637-11 s METAL CHIP 270 0.50% 1/10W
 R101 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R104 1-216-611-11 s METAL CHIP 22 0.50% 1/10W
 R105 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description		
R106	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W
R109	1-216-643-11	s	METAL CHIP 470	0.50%	1/10W
R111	1-216-673-11	s	METAL CHIP 8.2k	0.50%	1/10W
R112	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W
R114	1-216-649-11	s	METAL CHIP 820	0.50%	1/10W
R115	1-216-645-11	s	METAL CHIP 560	0.50%	1/10W
R116	1-216-657-11	s	METAL CHIP 1.8k	0.50%	1/10W
R117	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W
R119	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W
R120	1-216-611-11	s	METAL CHIP 22	0.50%	1/10W
R121	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W
R122	1-216-611-11	s	METAL CHIP 22	0.50%	1/10W
R124	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W
R125	1-216-623-11	s	METAL CHIP 68	0.50%	1/10W
R126	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W
R128	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R130	1-216-647-11	s	METAL CHIP 680	0.50%	1/10W
R131	1-216-638-11	s	METAL CHIP 300	0.50%	1/10W
R140	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W
R141	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W
R143	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W
R145	1-216-647-11	s	METAL CHIP 680	0.50%	1/10W
R146	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R147	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R148	1-216-636-11	s	METAL CHIP 240	0.50%	1/10W
R149	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R150	1-216-653-11	s	METAL CHIP 1.2k	0.50%	1/10W
R153	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W
R154	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W
R201	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R202	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R203	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R204	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R505	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W
R506	1-216-627-11	s	METAL CHIP 100	0.50%	1/10W
R508	1-216-624-11	s	METAL CHIP 75	0.50%	1/10W
R511	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W
R609	1-216-603-11	s	METAL CHIP 10	0.50%	1/10W
R612	1-216-032-00	s	CHIP 200	5%	1/10W
R629	1-216-603-11	s	METAL CHIP 10	0.50%	1/10W
R642	1-216-032-00	s	CHIP 200	5%	1/10W
R666	1-216-699-11	s	METAL CHIP 100k	0.50%	1/10W
R672	1-247-895-00	s	CARBON 470k	5%	1/4W
R676	1-216-672-11	s	METAL CHIP 7.5k	0.50%	1/10W
R702	1-216-630-91	s	METAL CHIP 130	0.50%	1/10W
R703	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W
R706	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W
R710	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R711	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R712	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W
R713	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R714	1-216-675-11	s	METAL CHIP 10k	0.50%	1/10W
R715	1-216-667-11	s	METAL CHIP 4.7k	0.50%	1/10W
R718	1-216-662-11	s	METAL CHIP 3k	0.50%	1/10W
R719	1-216-665-11	s	METAL CHIP 3.9k	0.50%	1/10W
R720	1-216-662-11	s	METAL CHIP 3k	0.50%	1/10W
R724	1-216-679-11	s	METAL CHIP 15k	0.50%	1/10W
R727	1-216-659-11	s	METAL CHIP 2.2k	0.50%	1/10W
R728	1-216-663-11	s	METAL CHIP 3.3k	0.50%	1/10W
R730	1-216-644-11	s	METAL CHIP 510	0.50%	1/10W

Ref.No.	Parts No.	SP	Description		
R733	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R734	1-216-651-11	s	METAL CHIP 1k	0.50%	1/10W
R735	1-216-671-11	s	METAL CHIP 6.8k	0.50%	1/10W
R741	1-216-658-11	s	METAL CHIP 2k	0.50%	1/10W
R743	1-216-619-11	s	METAL CHIP 47	0.50%	1/10W
R746	1-216-603-11	s	METAL CHIP 10	0.50%	1/10W
R746	1-216-639-11	s	METAL CHIP 330	0.50%	1/10W
RV1	1-237-515-21	s	VAR, CERMET	1k	
RV2	1-237-503-21	s	VAR, CERMET	10k	
RV4	1-237-518-21	s	VAR, CERMET	10k	
RV5	1-237-514-21	s	VAR, CERMET	500	
RV6	1-237-517-21	s	VAR, CERMET	5k	
RV7	1-237-515-21	s	VAR, CERMET	1k	
RV9	1-237-514-21	s	VAR, CERMET	500	
RV10	1-237-515-21	s	VAR, CERMET	1k	
RV11	1-237-515-21	s	VAR, CERMET	1k	
RV12	1-237-503-21	s	VAR, CERMET	10k	
RV13	1-237-515-21	s	VAR, CERMET	1k	
RV14	1-237-501-21	s	VAR, CERMET	2k	
RV15	1-237-517-21	s	VAR, CERMET	5k	
RV16	1-237-512-21	s	VAR, CERMET	100	
RV17	1-237-512-21	s	VAR, CERMET	100	
RV19	1-237-512-21	s	VAR, CERMET	100	
RV20	1-230-838-11	s	VAR, METAL FILM	200	
RV21	1-230-838-11	s	VAR, METAL FILM	200	
RV22	1-230-838-11	s	VAR, METAL FILM	200	
RV23	1-237-515-21	s	VAR, CERMET	1k	
RV601	1-237-515-21	s	VAR, CERMET	1k	
RV700	1-237-514-21	s	VAR, CERMET	500	
RV701	1-237-516-21	s	VAR, CERMET	2k	
RV702	1-237-514-21	s	VAR, CERMET	500	
RV703	1-237-515-21	s	VAR, CERMET	1k	
RV704	1-237-516-21	s	VAR, CERMET	2k	
S1	1-570-857-11	s	SLIDE		
S2	1-570-857-11	s	SLIDE		
S3	1-570-857-11	s	SLIDE		
S4	1-570-857-11	s	SLIDE		
S5	1-570-857-11	s	SLIDE		

VR-42 BOARD

1-622-592-12 o PRINTED CIRCUIT BOARD, VR-42

RV11	1-237-781-11	s	VAR, CARBON	10k
RV12	1-237-781-11	s	VAR, CARBON	10k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

VR-61/62, SWITCHING REGULATOR

Ref.No. Parts No. SP Description

VR-61 BOARD

1-622-588-11 o PRINTED CIRCUIT BOARD, VR-61

RV1 1-237-719-00 s VAR, CARBON 100k
RV2 1-237-782-11 s VAR, CARBON 10k

VR-62 BOARD

1-622-589-13 o PRINTED CIRCUIT BOARD, VR-62

RV541 1-230-501-11 s VAR, CARBON 20k/20k

SWITCHING REGULATOR UR-21B

1-413-307-24 s SWITCHING REGULATOR UR-21B

M201 1-541-431-31 s DC FAN

UR-21B C1 BOARD

C51 1-161-925-91 s CERAMIC 100pF 10% 500V
C52 1-161-925-91 s CERAMIC 100pF 10% 500V
C53 1-131-458-51 s TANTAL 1.5 20% 16V
C55 1-130-018-51 s FILM 0.001 5% 50V
C56 1-130-528-51 s TEREPHTHALATE 0.1 10% 50V
C57 1-130-506-91 s TEREPHTHALATE 0.0015 10% 50V
C59 1-130-528-51 s TEREPHTHALATE 0.1 10% 50V
C61 1-124-924-91 s ELECT 1 20% 100V

CN52 1-564-352-11 o PIN 7P
CN53 1-564-352-11 o PIN 7P

D51 1-807-913-21 s 11EQS04
D52 1-807-913-21 s 11EQS04
D53 1-807-913-21 s 11EQS04
D54 1-807-913-21 s 11EQS04
D55 8-719-911-19 s 1SS119
D56 8-719-911-19 s 1SS119
D57 8-719-109-93 s RD6.2ES-B3
D58 8-719-107-87 s 03P2M
D59 8-719-911-19 s 1SS119
D60 8-719-911-19 s 1SS119

D61 8-719-911-19 s 1SS119
D62 8-719-911-19 s 1SS119
D63 8-719-109-75 s RD4.3ES-B2

Ref.No. Parts No. SP Description

IC51 8-759-937-59 s MB3759 (FUJITSU)
IC52 8-759-103-93 s uPC393C (NEC)

L51 1-410-466-21 s MICRO 4.7

Q51 8-729-208-04 s 2SK422
Q52 8-729-208-04 s 2SK422
Q53 8-729-117-54 s 2SA1175
Q54 8-729-178-54 s 2SC2785
Q55 8-729-117-54 s 2SA1175

R56 1-247-903-00 s CARBON 1M 5% 1/4W

RV51 1-228-990-11 s VAR, METAL GLAZE 1k

UR-21B C2 BOARD

C51 1-161-925-91 s CERAMIC 100pF 10% 500V
C52 1-161-925-91 s CERAMIC 100pF 10% 500V
C53 1-131-458-51 s TANTAL 1.5 20% 16V
C56 1-130-528-51 s TEREPHTHALATE 0.1 10% 50V
C57 1-130-506-91 s TEREPHTHALATE 0.0015 10% 50V
C59 1-130-528-51 s TEREPHTHALATE 0.1 10% 50V

CN52 1-564-352-11 o PIN 7P
CN53 1-564-352-11 o PIN 7P

D51 1-807-913-21 s 11EQS04
D52 1-807-913-21 s 11EQS04
D53 1-807-913-21 s 11EQS04
D54 1-807-913-21 s 11EQS04
D55 1-719-911-19 s 1SS119
D56 1-719-911-19 s 1SS119
D57 8-719-110-41 s RD15ES-B2
D58 8-719-107-87 s 03P2M
D59 8-719-911-19 s 1SS119
D60 8-719-911-19 s 1SS119

D61 8-719-911-19 s 1SS119
D62 8-719-911-19 s 1SS119
D63 8-719-110-22 s RD11ES-B2

IC51 8-759-937-59 s MB3759 (FUJITSU)
IC52 8-759-103-93 s uPC393C (NEC)

L51 1-410-466-21 s MICRO 4.7

Q51 8-729-208-04 s 2SK422
Q52 8-729-208-04 s 2SK422
Q53 8-729-117-54 s 2SA1175
Q54 8-729-178-54 s 2SC2785
Q55 8-729-117-54 s 2SA1175

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

SWITCHING REGULATOR

Ref.No.	Parts No.	SP	Description
R56	1-247-903-00	s	CARBON 1M 5% 1/4W
RV51	1-228-990-11	s	VAR, METAL GLAZE 1k

Ref.No.	Parts No.	SP	Description
D212	1-807-963-21	s	31DF2
D213	8-719-110-13	s	RD9.1ES-B2
D214	1-807-911-21	s	F10P40FR
D215	8-719-912-20	s	1SS120
D216	8-719-912-20	s	1SS120
D220	8-719-200-01	s	10E-1
D222	8-719-200-01	s	10E-1

UR-21B MI BOARD

C101	1-136-564-11	s	CERAMIC	1000pF	10%	500V
C102	1-136-564-11	s	CERAMIC	1000pF	10%	500V
C104	1-125-477-11	s	ELECT	470	20%	400V
C105	1-125-477-11	s	ELECT	470	20%	400V
C106	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C107	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C203	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C204	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C205	1-124-636-51	s	ELECT	3300	20%	25V
C206	1-130-516-91	s	TEREPHTHALATE	0.01	10%	50V
C209	1-124-891-51	s	ELECT	10000	20%	6.3V
C211	1-130-772-00	s	FILM	0.22	10%	63V
C212	1-124-621-51	s	ELECT	3300	20%	6.3V
C213	1-130-772-00	s	FILM	0.22	10%	63V
C214	1-124-585-51	s	ELECT	3300	20%	10V
C221	1-130-518-91	s	TEREPHTHALATE	0.015	10%	50V
C222	1-130-524-51	s	TEREPHTHALATE	0.047	10%	50V
C223	1-130-524-51	s	TEREPHTHALATE	0.047	10%	50V
C227	1-124-120-51	s	ELECT	220	20%	25V
C228	1-130-772-00	s	FILM	0.22	10%	63V
C229	1-130-772-00	s	FILM	0.22	10%	63V
C230	1-130-772-00	s	FILM	0.22	10%	63V

△ CN101 1-564-242-11 o 5P

CN201	1-564-932-11	o	9P
CN202	1-560-893-00	o	5P
CN203	1-560-299-11	o	2P
CN204	1-560-890-00	o	2P

D101	8-719-109-75	s	RD4.3ES-B2
D102	8-719-912-20	s	1SS120
D103	1-807-913-21	s	11EQ804
D104	1-807-913-21	s	11EQ804
D201	1-807-774-21	s	AU02A
D202	8-719-109-85	s	RD5.1ES-B2
D203	8-719-109-85	s	RD5.1ES-B2
D204	8-719-911-19	s	1SS119
D205	8-719-200-01	s	10E-1
D206	8-719-200-01	s	10E-1
D207	1-807-911-11	s	F10P40F
D208	8-719-200-01	s	10E-1
D209	8-719-200-01	s	10E-1
D210	8-719-302-60	s	FML-32S
D211	1-807-963-21	s	31DF2

FB201	1-543-060-11	s	FERRITE BEAD
FB202	1-543-060-11	s	FERRITE BEAD
FB203	1-543-060-11	s	FERRITE BEAD
FB204	1-543-060-11	s	FERRITE BEAD
FB205	1-543-060-11	s	FERRITE BEAD
FB206	1-543-060-11	s	FERRITE BEAD

IC101	1-807-814-11	s	B-5272 (JRM)
IC201	8-759-135-80	s	uPC358C (NEG)
IC202	8-759-077-33	s	TL431CLP (TI)
IC203	8-759-077-33	s	TL431CLP (TI)

L201	A-4935-038-A	s	CHOKE
L202	1-421-459-21	s	CHOKE
L203	A-4935-037-A	s	CHOKE
L204	1-421-459-21	s	CHOKE
L205	1-421-734-11	s	CHOKE
L206	1-421-459-21	s	CHOKE
L207	1-421-459-21	s	CHOKE

△ PS101	1-532-605-11	s	IC LINK
PS102	1-532-605-11	s	IC LINK
PS201	1-532-605-11	s	IC LINK

Q101	1-807-858-11	s	IREF451
Q102	1-807-858-11	s	IREF451
Q103	8-729-113-32	s	2SB733
Q104	8-729-113-32	s	2SB733
Q201	8-729-103-43	s	2SB734
Q202	8-729-178-54	s	2SC2785
Q203	8-729-178-54	s	2SC2785
Q204	8-729-178-54	s	2SC2785
Q205	1-807-914-11	s	2SA1443
Q206	8-729-177-43	s	2SD774
Q207	1-807-914-11	s	2SA1443
Q208	8-729-117-54	s	2SA1175
Q209	1-807-915-11	s	2SC3692-L
Q210	8-729-178-54	s	2SC2785

R102	1-247-713-11	s	CARBON 1k 5% 1/4W
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△ R103	1-247-692-11	s	CARBON 22 5% 1/4W
R104	1-247-692-11	s	CARBON 22 5% 1/4W
R107	1-205-622-00	s	CEMENT 33 5% 5W

R203	1-247-698-11	s	CARBON 68 5% 1/4W
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Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

SWITCHING REGULATOR

Ref.No. Parts No. SP Description

△ R210	1-205-623-11	s	CEMENT	47	5%	5W
R212	1-215-888-00	s	METAL OXIDE	2220	5%	2W
R215	1-247-887-00	s	CARBON	220k	5%	1/4W
△ R220	1-215-866-11	s	METAL OXIDE	330	5%	1W
R221	1-247-696-11	s	CARBON	47	5%	1/4W
△ R225	1-215-865-11	s	METAL	220	5%	1W
R229	1-214-669-71	s	METAL	3.3	1%	1/4W
△ R230	1-215-889-00	s	METAL OXIDE	330	5%	2W
R231	1-215-889-00	s	METAL OXIDE	330	5%	2W

RV201 1-230-667-11 s VAR, CERMET 500

ST201 1-571-055-91 s THERMAL SENSOR

△ T101	1-448-393-11	s	CONVERTER
T102	A-4935-035-A	s	CONVERTER
T103	1-421-819-11	s	CURRENT
T104	1-437-188-11	s	DRIVE
T105	1-437-188-11	s	DRIVE
T106	1-447-938-11	s	CONVERTER

UR-21B M2 BOARD

△ C151	1-136-185-12	s	FILM	0.22	20%	250V
C152	1-136-185-12	s	FILM	0.22	20%	250V
C154	1-136-185-12	s	FILM	0.22	20%	250V
C155	1-161-742-12	s	CERAMIC	2200pF	20%	400V
C156	1-161-742-12	s	CERAMIC	2200pF	20%	400V

△ C157	1-161-742-00	s	CERAMIC	2200pF	20%	400V
C158	1-161-742-00	s	CERAMIC	2200pF	20%	400V
C159	1-161-742-00	s	CERAMIC	2200pF	20%	400V

C161	1-136-564-11	s	FILM	1.8	10%	250V
C162	1-136-564-11	s	FILM	1.8	10%	250V

C163	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C164	1-161-915-00	s	CERAMIC	1000pF	10%	500V

△ C165	1-161-742-00	s	CERAMIC	2200pF	20%	400V
C166	1-161-742-00	s	CERAMIC	2200pF	20%	400V
C167	1-161-742-00	s	CERAMIC	2200pF	20%	400V

C251	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C252	1-161-915-00	s	CERAMIC	1000pF	10%	500V
C253	1-124-556-11	s	ELECT	2200	20%	16V
C254	1-124-360-00	s	ELECT	1000	20%	16V
C255	1-124-790-11	s	ELECT	0.47	20%	100V

Ref.No. Parts No. SP Description

C256	1-124-898-11	s	ELECT	4700	20%	16V
C257	1-124-898-11	s	ELECT	4700	20%	16V
C258	1-124-898-11	s	ELECT	4700	20%	16V
C260	1-124-563-11	s	ELECT	2200	20%	25V
C263	1-136-155-00	s	TEREPHTHALATE	0.015	10%	50V
C264	1-136-161-00	s	TEREPHTHALATE	0.047	10%	50V
C265	1-136-161-00	s	TEREPHTHALATE	0.047	10%	50V
C268	1-130-772-00	s	FILM	0.22	10%	63V
C269	1-130-772-00	s	FILM	0.22	10%	63V
C270	1-130-772-00	s	FILM	0.22	10%	63V

△ CN151 1-564-215-11 o PIN 4P

CN251	1-566-313-11	o	PIN 7P
CN252	1-560-893-00	o	PIN 5P
CN253	1-560-890-00	o	PIN 2P

△ D151 1-807-907-11 s KB088JLM

D153	1-807-913-21	s	11EQS04
D154	1-807-913-21	s	11EQS04
D251	1-807-909-11	s	F10P201
D252	1-807-921-11	s	FMG-34S

D253	1-807-911-21	s	F10P40FR
D254	8-719-109-97	s	RD6.8ES-B2
D255	8-719-912-00	s	1SS120
D256	8-719-912-00	s	1SS120
D257	8-719-200-01	s	10E-1

D258	8-719-911-19	s	1SS119
D260	8-719-912-20	s	1SS120

△ F151 1-532-604-21 s 250V 3A

FB251	1-543-060-11	s	FERRITE BEAD
FB252	1-543-060-11	s	FERRITE BEAD
FB253	1-543-060-11	s	FERRITE BEAD
FB254	1-543-060-11	s	FERRITE BEAD
FB255	1-543-060-11	s	FERRITE BEAD

FB256 1-543-060-11 s FERRITE BEAD

IC251 8-759-007-33 s TL431CLP (TI)

△ L151 1-421-590-11 s LINE FILTER
L152 1-421-978-11 s LINE FILTER

L251	A-4935-039-A	s	CHOKE ASS'Y
L252	1-421-459-00	s	CHOKE
L253	1-421-734-11	s	CHOKE

L254	1-408-322-00	s	CHOKE
L255	1-421-459-00	s	CHOKE
L512	1-421-978-11	s	LINE FILTER

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

SWITCHING REGULATOR, FRAME

Ref.No. Parts No. SP Description

Q1 51 1-807-858-11 s IREP451
Q1 52 1-807-858-11 s IREP451
Q1 53 8-729-113-32 s 2SB733
Q1 54 8-729-113-32 s 2SB733
Q2 51 8-729-178-54 s 2SC2785

Q2 52 1-807-915-11 s 2SC3692-L
Q2 53 8-729-178-54 s 2SC2785

R1 51 1-202-727-11 s SOLID 4.7M 10% 1/2W
△ R1 52 1-205-915-11 s WIREWOUND 4.7 10% 7W
R1 53 1-205-915-11 s WIREWOUND 4.7 10% 7W
R1 54 1-247-692-11 s CARBON 22 5% 1/4W
R1 55 1-247-692-11 s CARBON 22 5% 1/4W

△ R1 58 1-205-652-00 s CEMENT 68 5% 5W
R2 51 1-205-622-00 s CEMENT 33 5% 5W
R2 54 1-215-865-11 s METAL 220 5% 1W

R2 58 1-214-669-71 s METAL 3.3 1% 1/4W

△ R2 59 1-215-889-00 s METAL 330 5% 2W

△ R2 60 1-215-889-00 s METAL 330 5% 2W

RV2 51 1-230-668-11 s VAR, CERMET 1k

△ RY1 51 1-515-662-11 s POWER

ST2 51 1-571-055-71 s THERMAL SENSOR

△ T1 51 A-4935-036-A s CONVERTER
T1 52 1-421-819-11 s CURRENT
T1 53 1-437-188-11 s DRIVE
T1 54 1-437-188-11 s DRIVE

Ref.No. Parts No. SP Description

FRAME

A-6050-504-A s HEAD DRUM ASS'Y, DBH-01A-R
A-6634-236-B s KEY CHASSIS ASS'Y
A-6730-924-A s INDICATION TUBE ASS'Y
A-6762-403-A s DRUM ASS'Y, UPPER, DBR-01-R

△ 1-413-307-24 s SWITCHING REGULATOR, UR-21B

1-464-821-22 s CONVERTER, DC-DC (INDICATION TUBE)
1-520-496-11 s AUDIO LEVEL METER (INDICATION TUBE)
1-559-261-11 s FLAT CABLE (KEY CHASSIS)
1-559-265-11 o FLAT CABLE (CASSETTE UP COMPARTMENT)

△ CB001 1-576-036-11 s BREAKER, CIRCUIT 6.3A

△ CN001 1-580-375-21 s 3P INLET

CN002 1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR UC)
"CH-1 IN"
1-509-176-51 s RECEPTACLE, XLR, MALE (FOR J)
"CH-1 IN"
CN003 1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR UC)
"CH-2 IN"
1-509-176-51 s RECEPTACLE, XLR, MALE (FOR J)
"CH-2 IN"
CN004 1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR UC)
"CH-3 IN"
1-509-176-51 s RECEPTACLE, XLR, MALE (FOR J)
"CH-3 IN"
CN005 1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR UC)
"CH-4 IN"
1-509-176-51 s RECEPTACLE, XLR, MALE (FOR J)
"CH-4 IN"

CN006 1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR UC)
"TIME CODE IN"
1-509-176-51 s RECEPTACLE, XLR, MALE (FOR J)
"TIME CODE IN"
CN007 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"TIME CODE OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"TIME CODE OUT"
CN008 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"CH-1 OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"CH-1 OUT"
CN009 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"CH-2 OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"CH-2 OUT"
CN010 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"CH-3 OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"CH-3 OUT"

CN011 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"CH-4 OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"CH-4 OUT"
CN012 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"SELECTED CH-1/CH-3 OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"SELECTED CH-1/CH-3 OUT"
CN013 1-509-176-51 s RECEPTACLE, XLR, MALE (FOR UC)
"SELECTED CH-2/CH-4 OUT"
1-509-184-51 s RECEPTACLE, XLR, FEMALE (FOR J)
"SELECTED CH-2/CH-4 OUT"
CN014 1-509-095-00 s RECEPTACLE, 8P "MONITOR OUT"
CN015 1-561-781-21 s RECEPTACLE, BNC "VIDEO-1 OUT"

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
CN016	1-561-781-21	s	RECEPTACLE, BNC "VIDEO-2 OUT"
CN017	1-561-781-21	s	RECEPTACLE, BNC "VIDEO-3 OUT"
CN018	1-561-781-21	s	RECEPTACLE, BNC "REF.VIDEO OUT"
CN019	1-562-160-00	s	RECEPTACLE, 12P, FEMALE "DUB/COMPONENT 1 OUT"
CN021	1-561-781-21	s	RECEPTACLE, BNC "REF. VIDEO IN"
CN022	1-561-781-21	s	RECEPTACLE, BNC "REF. VIDEO IN (THROUGH OUT)"
CN023	1-561-781-21	s	RECEPTACLE, BNC "VIDEO IN"
CN024	1-561-781-21	s	RECEPTACLE, BNC "VIDEO IN (THROUGH OUT)"
CN025	1-564-407-00	s	RECEPTACLE, 12P, MALE "DUB/COMPONENT 1 IN"
CN026	1-561-781-21	s	RECEPTACLE, BNC "COMPONENT 2 Y IN"
CN027	1-561-781-21	s	RECEPTACLE, BNC "COMPONENT 2 R-Y IN"
CN028	1-561-781-21	s	RECEPTACLE, BNC "COMPONENT 2 B-Y IN"
CN029	1-561-781-21	s	RECEPTACLE, BNC "COMPONENT 2 Y OUT"
CN030	1-561-781-21	s	RECEPTACLE, BNC "COMPONENT 2 R-Y OUT"
CN031	1-561-781-21	s	RECEPTACLE, BNC "COMPONENT 2 B-Y OUT"

△ CN151	1-564-215-11	o	PIN 4P
CN430	1-562-285-11	o	PLUG HOUSING (TO SW'ING REG)
CN431	1-562-833-11	o	PLUG HOUSING (TO SW'ING REG)
CN432	1-562-800-11	o	PLUG HOUSING (TO SW'ING REG)

H001	8-825-770-72	s	HEAD, ERASE EF291-21 "FE"
H002	8-825-554-73	s	HEAD, CTL PS244-21 "CTL"
H003	8-825-623-21	s	HEAD, AT EPS244-2103B "AUDIO/TIME CODE"
H004	8-825-771-11	s	HEAD PS244-2103C "CONF"

L8	1-543-316-21	s	SENSOR "TAPE BEGINNING SENSOR"
L9	1-543-316-21	s	SENSOR "TAPE END SENSOR"

M001	1-541-431-31	s	MOTOR, DC "FAN"
M002	8-835-179-01	s	MOTOR, DC MCB2B15 "THREADING"
M003	8-835-179-01	s	MOTOR "L/S POSITION"
M004	8-835-259-01	s	MOTOR, DC BHF-1918A "CAPSTAN"
M006	A-6737-175-A	s	MOTOR ASS'Y "S-REEL"
M007	A-6737-175-A	s	MOTOR ASS'Y "T-REEL"
M008	1-541-376-11	s	MOTOR, DC DNR-4700A "UP/DOWN"

ME002	1-520-494-11	s	"VIDEO/RF"
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PL001	1-518-508-00	s	12V 60mA "CASSETTE LAMP"
PL002	1-518-508-00	s	12V 60mA "CASSETTE LAMP"
PL003	1-518-508-00	s	12V 60mA "CASSETTE LAMP"

PM001	1-454-372-11	s	SOLENOID "CLEANER"
PM002	1-454-338-11	s	SOLENOID "PINCH"
PM003	1-454-417-11	s	SOLENOID "S-BRAKE"
PM004	1-454-417-11	s	SOLENOID "T-BRAKE"

△ S001	1-570-117-31	s	ROCKER "POWER"
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19-4. PACKING MATERIAL AND ACCESSORIES (SUPPLIED)

Parts No.	SP	Description
A-6729-474-A	s	MOUNTED PCB, EX-116
A-6729-475-A	s	MOUNTED PCB, EX-134
A-6729-476-A	s	MOUNTED PCB, EX-151
1-506-746-21	o	PIN, DIN CONNECTOR (DIP) 48P
1-506-748-21	o	PIN, DIN CONNECTOR (DIP) 96P

△ 1-551-812-00	s	CORD, POWER (for UC)
1-557-161-00	s	CORD, POWER (for J)
1-557-413-12	s	CABLE, DUBBING 12P
1-580-228-11	s	CONNECTOR, (P-M) 12P
1-580-229-11	s	CONNECTOR, (P-F)
1-563-339-11	o	HOUSING, CONNECTOR (DIP) 48P
1-563-341-21	o	HOUSING, CONNECTOR (DIP) 96P
1-751-019-81	o	CABLE, REMOTE CONTROL 9P
2-237-802-00	s	CUSHION
2-251-622-00	s	CUSHION
3-701-616-00	s	BAG, POLY
3-701-623-00	s	BAG, POLY
3-701-630-00	s	BAG, POLY
3-701-632-00	s	BAG, POLY
3-701-649-00	s	BAG, POLY
3-721-867-01	o	INDIVIDUAL CARTON
3-721-869-05	o	CUSHION (UPPER)
3-721-870-03	o	CUSHION (LOWER)
3-721-888-01	o	SPACER (SIDE)
3-721-889-01	o	SLEEVE (A)
3-721-890-01	o	SLEEVE (B)
3-721-891-01	o	SPACER (A)
3-721-892-01	o	SPACER (B)

19-5. FIXTURE (OPTION)

Parts No.	SP	Description
J-6001-820-A	s	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	s	DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A	s	DRUM ECCENTRICITY GAUGE (1)
J-6031-820-A	s	MULTI CONNECTOR CABLE (DIBNC)
J-6080-011-A	s	REEL TABLE TENSION GAUGE
J-6086-570-A	s	FLATNESS PLATE
J-6087-000-A	s	DRUM ECCENTRICITY GAUGE (5)
J-6152-450-A	s	WIRE CLEARANCE GAUGE
J-6190-800-A	s	TENSION REGULATOR SLANTNESS CHECK GAUGE
J-6320-680-A	s	REEL TABLE HEIGHT GAUGE
J-6320-870-A	s	REEL MOTOR SHAFT SLANTNESS CHECK GAUGE
J-6320-880-A	s	CASSETTE REFERENCE PLATE
2-034-697-00	s	CLEANING PIECE
7-723-902-00	s	INSPECTION MIRROR
7-732-050-20	s	TENSION SCALE (50G FULL SCALE)
7-732-050-30	s	TENSION SCALE (100G FULL SCALE)
8-960-096-01	s	ALIGNMENT TAPE, CR2-1B
8-960-097-45	s	ALIGNMENT TAPE, CR8-1A
8-960-096-41	s	ALIGNMENT TAPE, CR5-1B
8-960-097-44	s	ALIGNMENT TAPE, CR5-2A
9-911-053-00	s	THICKNESS GAUGE
9-919-573-01	s	CLEANING FLUID
Standard products		HEAD DEMAGNETIZER (HE-4)

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